

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Larry East <w1hue@amsat.org>
Subject: [10316] 1996 QRP Quarterly's
Message-ID: <2.2.16.19970129153906.3607a0a6@eloi>

I still have a bunch of 1996 QRP Quarterly's available for \$10 per (1 year) set plus shipping. If interested, send private email for details.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: AC6JA@aol.com
Subject: [10326] 38 spl sidetone key clicks
Message-ID: <970129113855_376300228@emout20.mail.aol.com>

hi ori,
just another thankyou for the fun kit you engineered! just finished the 38 special with 5 watt mod. am using a 330pf at c505 and 330pf at c26. also replaced the 4.7uh choke with a 6.8uh value. haven't done the rit or tick mod yet, but that's next. i made my first contact this morning with Dick, W6OV in Chadron, Nebraska, from here in foster city (bay area) so i know the rig works fine. also used Bill, KD7S's no-scope tuneup recommendation based on reflected power and worked just fine. the problem i'm having is large key clicks in the sidetone audio. it's so bad in fact that i need to disconnect the headphones and use the sidetone from the mfj keyer i'm using. is there a recommended mod to eliminate the key clicks from the sidetone? the transmitted signal is without clicks/chirps! also am getting 10.095.4 to 10.128.8 coverage with the 6.8uh choke. do you think a value between 4.7 and 6.8 would get my lower band limit back up?
any info would be greatly appreciated, and thanks again!

Mike AC6JA

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: AC6JA@aol.com
Subject: [10302] 38 spl: what value for C501/505?
Message-ID: <970129085604_817652554@emout15.mail.aol.com>

remember reading some posts regarding adding a capacitor to C501/505 spot on board. not sure if it was a 270 or 330pf. any info would be appreciated.
almost got mine done.

Mike AC6JA

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: ukii@megsinet.net (ukii)
Subject: [10337] 38s 1k,100k pot help.
Message-ID: <01BC0DDD.24B97A40@randolph2er1-15.megsinet.net>

Boy, thanks to EVERYONE who has sent me messages on all the questions I have been asking! Too many to reply directly to...

Ok, went to RS this AM to get the 2 pots I will need. They only had a 100k STEREO audio taper control and a 5k linear taper pot. Can I use these? Should I figure what resistance I need to parallel with the 5k to bring it down to 1k or doesn't it matter? So, can I use these things, I did get them...
Boy, getting close to SMOKE CHECK, can't wait...!

Thanks again for your help...
73 de john
n9ukx

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: sigcom@juno.com (Stephen M Smith)
Subject: [10292] 38S: Newbie builders, attention! (long)
Message-ID: <19970128.225130.8287.5.sigcom@juno.com>

Group,

I have noticed a couple of posts from builders who've fried things upon power up of their just completed or just modified 38S. There is a simple way to prevent letting the smoke out upon initial application of juice should there be a serious problem in your radio. This has been posted on the list previously, but I thought that it would be a good time to bring it up again.

Before you apply power to your kit for the first time, purchase a 12-14 Volt incandescent lamp that's rated for 50 milliamps or so. The Radio Shack P/N 272-1092 is my pick for the 38S because it is rated at 60 ma. and has wire leads that you can connect to with clip leads (be careful handling these lamps, they're somewhat fragile). Connect the lamp in series with the positive lead from your power source to the 38S. If, when you apply power to your 38S, the lamp illuminates at full brilliance, STOP! You have a problem with your kit. There is a short somewhere. But more than likely, you'll not have fried the radio. Proceed with

troubleshooting and correct whatever is causing the problem. If the lamp lights dimly (1/2 brilliance or so) you should be ready to connect the power directly (lamp removed) and proceed with tune-up. Note: If you try to transmit with the lamp in series, the lamp *will* light at full brilliance and your rig will not transmit. You need to remove the lamp for transmitter testing.

BTW, here's a tip to help you judge what's full brilliance and what is 1/2 brilliance: First, connect one lamp to your 13.8 V supply. That lamp will light at full brilliance. Now, connect two lamps in series across the same supply. Each of those lamps will be lit at 1/2 brilliance.

The 38S draws around 30 milliamps key up, when not receiving a signal. That equates to about 1/2 brilliance on a lamp rated for 60 milliamps.

T.V repair people use this trick all the time (except they use a 110 V light bulb in series with the A.C. line), especially on sets that have just had a shorted horizontal output transistor replaced. Keeps the same thing from happening again if there are additional zapped components.

Obviously, this procedure is meant for inexperienced builders. Experienced kitters will use a DVM to check initial current drain, but this little trick is easy, safe and gives an instant indication.

Good luck with your kits.

73.....Steve, WB6TNL

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: K4NK@aol.com
Subject: [10251] 49er
Message-ID: <970128192307_817577460@emout10.mail.aol.com>

With all the interest in the 49er, maybe one of the kit companys should take an interest in it.I have one but it was fun to experiment with and I would certainly get a couple more. Any takers?

Les K4NK
QRP-L #871,all QRP So. Carolina

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [10287] A Practice Run at FYBO below 20 degrees!!
Message-ID: <32EEDE98.705F@webaccess.net>

Hi Gang...(I'm getting ready for FYB0...a practice run Feb 8-11)

A while back several of you gents replied to my query about choice of bands (40 or 80) for those "long winter nites from a snow cave"...So it is... my Explorer II for 40m (HW8 lost out due to weight!) is going on the XC skiing-snow cave trip. and lotsa wire with the trusty wrist rocket/Zebco 202!...for schedule check the URL below. Subject to changes of course...I'll post latest info here...QRP-L

CU soon from below below 20 degrees...Maybe wx permitting! Steve

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO
HTTP://www.webaccess.net/~S&P

QRP-L # 911
Steve-N0TU

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [10286] Add'l Benefit of my RIT mod.
Message-ID: <01BC0D72.6F2A3080@pm2.ppp33.webzone.net>

Hi Gang,

Well I have had several QSOs with my 38S (still waiting to work another 38S). The transistor switch mod I posted has another benefit (we call this a feature when it happens by accident) -- the tuning range was increased by an additional 5 khz on my rig. I can now tune from 10.100 to 10.127.5mhz. Before I made the mod I could only go down to 10.105.5mhz. The transistors must be close to saturation where the VCE is very low thus giving the VX0 a better ground reference and hence additional bandwidth.

Let me know if you try this mod and post your results.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: jlarsen@alascom.att.com
Subject: [10336] AL7FS - FSFD QSL Cards on the way
Message-ID: <9700298545.AA854557751@mailrouter.alascom.att.com>

Greetings from Alaska,

The first QSL cards from FSFD for Alaska were received yesterday (K5ID, AR and KF6CTA, CA) and are filled out and in outgoing mail. Thank you for the SASE, it really helps.

Don't worry, I won't post when all cards get sent out....unless you want me to.
:-)

73,
Jim
AL7FS

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: tedk4mkx@nmaa.org (Edward Beach)
Subject: [10307] ALINCO DX70T AS QRP OOPS!
Message-ID: <32EF8D3F.53A@nmaa.org>

I got a couple of nice notes on my DX70T comments, and must admit I goofed on the filter bit for AM --- it DOES have both wide and narrow AM filters, and I use the narrow when tuning, so don't know why I let that slip in. Sri.

Also, when I indicated the noise blanker does not work, I really should have said it is not very effective for most pulse noise I have experienced. I have a very noisy power line (comes and goes!), which reads about S7 most of the time. NB reduces this to perhaps S6, but SSB signals distort. My examination of the TINY schematic supplied has not given me a whole lot of insight as to how the NB is supposed to work. I can USUALLY figure these things out, but so far no luck.

Bottom line is that I like and use the rig.

Ted Beach - K4MKX

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Larry Gagnon <lgg@ampolexusa.com>
Subject: [10308] All first QRP QSO's at 800mw!
Message-ID: <1.5.4.32.19970129150705.006839d8@webster.ampolexusa.com>

Imagine my surprise to discover that during the past 3 weeks that my baptism to QRP and all the stateside and DX QSO's I've had have been made at 800milliwatts output! I thought the lowest detuned power output from my IC-735 was 4 watts but I had been reading wattmeter on my tuner wrong (I never did use that low power scale before!). What a pleasant surprise! Now imagine what might be possible with 4 watts! It will be like having a linear amp. I think I could get hooked on this sport....

73's Larry VE6TN/W0

Larry G. Gagnon, Senior Explorationist,
Ampolex USA Inc. 1050-17th st Suite 2500, Denver CO 80265 USA
tel 1-303-595-9000 fax 1-303-595-0110 email lgg@ampolexusa.com

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Russ Carpenter <russ@natworld.com>
Subject: [10295] Announcing Automated Reporting for the SPARTAN SPRINTS
Message-ID: <199701282142.0AA23810@cyberhighway.net>

The Adventure Radio Society is pleased to announce automated reporting for the Spartan Sprints.

We have created a page on the ARS web site in which you enter some simple data on your Sprint results, push the "submit" button, and, wham, your log is automatically reported to the ARS contest manager. In turn, your results will be included in the contest summary we publish on the QRP-L on the Thursday following the Sprint.

You can get directly to the report page with this URL:
http://www.natworld.com/ars/events/spartan/submit_spartan.html. Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

Thanks for your support of the Spartan Sprints. And don't forget the February Sprint on February 3.

Russ Carpenter, AA7QU, ARS contest manager

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: teixeira@ccnet.com (T E I X E I R A)
Subject: [10362] AT-11 Antenna Tuner
Message-ID: <v01520d00af150abfe41c@[206.80.32.147]>

Has anyone had any experience with the AT-11 automatic antenna tuner from LDG Electronics. I read the article in Jan 1996 QST. Sounds like a nice tuner for the price?

Regards,
Don Teixeira W6IQ

(ex-N6FNL) QRP-L #328

Acoustic Music <http://www.ccnet.com/~teixeira>

Amateur Radio <http://www.ccnet.com/~teixeira/W6IQ.html>

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [10250] Benchner and Ham Key spoken for
Message-ID: <n1357646081.42181@msmailgw1.arlut.utexas.edu>

I will keep those offers who replied later in case first buyer backs out.

Thanks to all,
Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: SNickrand@aol.com
Subject: [10293] BINGO! Re: light saber sound/TiCK mystery solved
Message-ID: <970129012630_1478472650@emout09.mail.aol.com>

The jumper wire in place of the (removed) D8 diode (Tick mod) eliminated the sporadic self oscillation and the light saber sound. Also, replacement of my 2N2222 resulted in a working transmitter. The previously installed 2N2222 allowed the tick chip to function normally--except--it didn't key the xmtr (no RF). Thanks again for the help. Now on to the 5 watt mod. Bill Nickrand KB9KOL

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [10369] Bug Key Night reminder
Message-ID: <32EFE169.10A9@rakefet.com>

Bug Key Night is coming up! Here's the announcement (from ARRL web site):

<quote>
PARG Bug Key Night, Sponsored by the Pacific Amateur Radio Guild, 0000-2400Z Jan 31) Contacts must be made using bugs, cootie keys or sidewipers. 80, 40 and 20 meters, 60 to 80 kHz up from the lower band edges (10 kHz up from Novice lower band edges). When participating in BKN, use BKN instead of RST preceeding the three-digit signal report. PARG members also include membership number. After BKN, send your vote for the best fist heard (not necessarily one you have worked) and for the most interesting QSO during BKN. This is not a contest; quick and contest-like exchanges are discouraged. Mail reports by Feb 15 to Rob Brunk, N6KIX, 2832 Zamora Ln, Davis, CA 95616-6583
<unquote>

What could be more QRP than a keyer that uses ZERO watts? See you then!

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Jeff Casey <WB5GWB@sprynet.com>
Subject: [10288] Can't access Vibroplex webpage
Message-ID: <199701290531.VAA23079@m7.sprynet.com>

Just tried to access the Vibroplex webpage at <http://www.vibroplex.com/> and instead got a Chamber of Commerce-type webpage for the city of Mobile, AL. I now have several slabs of Southern-style barbeque ribs on their way, and an appointment for window tinting somewhere in Mobile, but still no sign of Vibroplex: The Company. Right address, right city, so what am I doing wrong???

Hmmm, might Vibroplex have a bug in their software? ;-)

Sorry -- I've got bugs on (and in) the brain here.

Thanks & 72,
Jeff

Jeff T. Casey / WB5GWB / Long Island, NY / ARCI ARRL ARS LIQRP NorCal QRP-L

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bob Marsh <bmarsh@hicom.net>
Subject: [10300] Deliberate CW QRM?
Message-ID: <32EF523C.1C34@hicom.net>

Hi everyone,

I'm posting this here in the (probably misguided) hope that whoever did it will think about mending their ways. Sorry if it's a bit off topic, but it IS relevant to anyone who operates on the ham bands.

I keep a regular weekly CW sked with VE1ZAC and N3DTY on 3661. We start at 2000 EST and usually run for an hour. last night, about 45 minutes into it, we started getting hammered by random CW for what sounded like two stations. These guys would wait until one of us started sending, and began their stupid game.

After the sked, Jeff/VE1ZAC tuned up on the band and found them. They never ID'd but they were joking to each other about doing a number on us. This was obviously deliberate "jamming" for the hell of it!

Admittedly, none of us in the sked are "CW Wizards" and tend to send fairly slow. One of us only gets on the air for our sked, and we're trying to keep him active. He was so disgusted last night that I wouldn't be suprised if he gave it up altogether.

Has anyone else had this experience? I always thought that CW operators were more courteous than that, and this type of behavior was pretty much restricted to SSB.

I've only been a ham for a little over two years, and got into it specifically to work CW. It was quite a shock last night to be messed with like this.

Anyway, there it is. If it's not appropriate to respond to the list, Email me direct if you feel like it. I just wish there was something we could DO about it.

73 de Bob/KB2SGM
<bmarsh@hicom.net>

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [10330] Empire Of The Air
Message-ID: <Pine.A41.3.95b.970129084246.77198B-100000@homer26.u.washington.edu>

There was considerable interest in this book so a drawing
was held this morning. My sassy assistant, Catherine, drew
names out of a hat. The lucky recipients are:

Hardbound version: Tony Colaguori, W2GUM
Peter Chow, AC6ZD

Paperback edition: Dan Keen, K6DZ

Remittance goes to: Stephen Lee, AB7HI
4213 Harbor Ridge Rd NE
Tacoma, WA 98422

Each book will be mailed via USPS at their book rate. Depending
on cost differential, I may opt to mail using first class delivery.
For those not drawn I have put your calls on file. If by chance I
locate additional copies you will be the first notified. Sorry I
couldn't accomodate everybody and thanks for your interest. 73 all.

Stephen Lee, AB7HI
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [10284] FOX - Report for 1/29
Message-ID: <199701290508.AAA23652@mh004.infi.net>

What a night! The word is weird.

It seemed like the propagation Gods were playing games with me. It was like
good propagation was rotating around me all night. First, west was loud,
then north/nw, then far west, etc. There'd be a few loud signals, and while
I worked them, the band would change. *Many* times in the middle of our
short QSO. Several times I couldn't finish QSOs that started at 449 or
better. For that reason several were worked twice. What a great challenge!

At times, I could tell stations were calling, but they were all so weak,
there was just nothing to copy, just single letters here and there. I tried

answering partial calls, but many times the partial call was gone before he could give me the full call. So, thanks, guys, for all of the trying - I'm sure it must have been even rougher on your end.

My log is pretty rough, so there are probably some obvious errors. Let me know what they are, and I'll make corrections. The incompleted QSOs are listed just FYI. There are 10 QSOs that either had to be repeated at a later time, or were lost. (sigh) Total completed QSOs = 48. CA=11, TX=7, OK=6

UTC	CALL	RSTR	RSTS	QTH	NAME	NR
0100	W5FN	579	569	TX	TIM	586
0101	K2LGJ	559	549	NY	BOB	940
0102	W5TFB	569	559	TX	JACK	282
0103	VE5RC	339	339	SK	BRUCE	886
0106	NI0A	589	559	MN	JOHN	689
0107	AB7TK	569	559	ID	RANDY	112
0109	AA2PF	459	449	NY	DAVE	306
0110	WA9PWP	579	55N	WI	PAUL	127
0113	NQ7X	559	339	AZ	FLOYD	343
0115	K5UP	559	559	OK	GLEN	21
0116	K1MG	339	339	CA	MIKE	614
0117	K6VNX	559	339	CA	ARLEN	5w
0120	W6ZH	569	559	CA	PETE	257
0121	N2VPK	599	559	NY	MARK	314
0124	N8VAR		559			(NOT COUNTED)
0126	KF2PH				NICK	(NOT COUNTED)
0127	KK7BD	559	559	AZ	DAN	5w
0128	VE3SP	579	569	ON	RON	464
0130	AB7MY	449	449	AZ	GARY	571
0134	N6WG	339	55N	CA	BOB	37
	KI6ON		559	CA		(NOT COUNTED)
0138	K2VNM	559	449	NY	BOB	573
0139	VE7SL	559	339			(NOT COUNTED)
0141	K5JHP	559	569	TX	BILL	825
0143	W6SU	449	559	CA	JOHN	48
0145	N5JKY	449	339	OK	MIKE	300
0146	AB7ST	449	449	UT	BOB	129
0148	KA5T	559	559	TX	LARRY	89
0149	KG2H	559	339	NY	JIM	954
0150	N9DD	579	449	IN	TOM	32
0151	VE7SL	559	339	BC	STEVE	769
0153	AB5OU	559	449			(NOT COUNTED)
0156	AC8W	449	449	MI	STAN	906
0157	N5LU	579	559	OK	BILL	5w
0158	N6MM	579	579	CA	HARVEY	318
0159	AC5II	559	569		DON	(NOT COUNTED)
0202	AB5OU	559	339	NM	TIM	73

0205	K2VCO	449	339	CA	VIC	715	
0211	AC5II	559	569	OK	DON	264	
0211	N6XU	579	559	CA	STAN	66	
0213	WJ9B/M	599	559	NC	WILL	100W	
0216	K0EVZ	579	339	MN	DOC	861	
0220	N6GA	449	229	CA	CAM	700	
0223	??GVN		339				(NOT COUNTED)
0224	AA3DS						(NOT COUNTED)
0225	W9KQC						(NOT COUNTED)
0227	W7GVN	569	449	AZ	ROD	849	
0228	KB0ZDF	579	569	IA	DAN	916	
0230	NR3E	559	569	TX	DAVE	25	
0231	AB7TT		339				(NOT COUNTED)
0233	WA8GHZ	449	559	TX	JACK	619	
0235	KK5RO	559	579	OK	VERNON	325	
0236	K10J	449	569	TX	OJ	732	
0238	W6BAB	559	339	CA	HARVEY	318	(?)
0240	AB7TT	449	449	AZ	JOE	191	
0247	KU7Y	449	229	NV	RON	17	
0250	AB5UA	559	449	OK	CLIF	478	
0251	WA6HHQ	569	559	CA	ERIC	426	

CUL,

Bob Kellogg, AE4IC, Greensboro, NC
 Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
 From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
 Subject: [10275] FOX Report:AE4IC worked fm CA
 Message-ID: <M1257587.001.r38a0.1.970129033345Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
 PRMD=MOT/ADMD=MOT/C=US/@MHS>

Hot dawg, I got one.
 What with bummer conditions, FOXes have been hard to come by out here on the
 left coast. Bob was a reasonable 339 here on San Francisco Bay, and mighty
 welcome.
 Got him with my second shot. Think the first one went a bit astray, VT maybe?
 Anyway, very happy to have worked you, Bob.
 72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [10298] FOX SCHED CHANGE 2/4/97
Message-ID: <32EF5057.4E41@acsu.buffalo.edu>

-----67C631CE340E0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

Hi Gang,

I will be the fox on *UTC Tue 2/4/97 from 0100-0300 UTC*. (NOT
0300-0500 !!)

This really is Monday evening 2/3/97 from 8pm-10pm EST for the ZULU
challenged :-)

I readily admit that I am doing this for selfish reasons. They are

1. I have to be at work early Tue morning
2. The propagation black hole effect takes hold here about 9pm est.
Things are not improving with the cold Buffalo winter.

I need a ton of contacts to be competitive in the overall fox category
so please, Please, PLEASE, be there and give me a call.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

-----67C631CE340E0
Content-Transfer-Encoding: 7bit
Content-Type: text/html; charset=us-ascii

<HTML><BODY>

<DT> </DT>

<DT>Hi Gang,</DT>

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72's de Mark, N2VPK, Member of the Buffalo QRP Connection

 </P>

</BODY>

</HTML>

-----67C631CE340E0--

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [10262] Fox: 1/29 Tuesday night!
Message-ID: <970129023231_70511.3041_IHD96-1@CompuServe.COM>

Bob:

Man, were you ever rolling in here tonight! Could not believe it. So often I have to dig down through several layers of QRN/QRM and digi-crud to even locate the FOX. But as soon as I turned on the rig I heard you and even got you on the first try. What a pleasure to work you, FOX #2 confirmed for 1997.

Thanks again for all your other assistance to this fellow ham. And many thanks for serving as our FOX tonight! See you again sometime.

72/73,

--Doc/K0EVZ QRP-L #861 MN-QRP #19 ARRL

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Joe Gervais <vole@primenet.com>
Subject: [10283] FOX: Foxless Streak Broken!
Message-ID: <199701290457.VAA23235@usr11.primenet.com>

Howdy Folks,

Wahoo! Thanks for pulling me in Bob! Finally broke my Fox-less streak! QRM was *awful* (is "CQ Fox" a secret code for "Please zero-beat my sig and call CQ with 200 watts"?!?), but it was the QSB that nearly clobbered me.

Bob finally picked out my call and sent me his info, and I was so excited I probably sent mine too fast for the conditions. When I turned it over he was gone! Ack! Really gone. Not even a hint of him. All I'd managed to get was "pse". Ack! Pse what? QSL? Repeat? Didn't want to blindly send my exchange again and stomp all over the possible pileup. Then I heard the dread "sri om"... Argh!!! Guess I knew what the "pse" was for! :-\

Luckily Bob was sharp (and nice!) enough to pick me out of the crowd yet again, and his sig dodged the QSB long enough for me to hear his request. Whew!

Next time you're in Phoenix, I owe you a pizza. :-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

3.5 weeks to FYBO!

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [10278] FS - several rigs
Message-ID: <Pine.A41.3.95.970128204557.50498B-100000@hector.NMSU.Edu>

OK, my QRP-L friends. Here they are. I have three rigs for sale. The YF (a more polite term for the XYL) says I have to clean up the shack. Have several kits to finish and I sure don't need all of these rigs.

The offering:

OHR QRP Spirit for 20M, built-in Curtis keyer, 5W out, selectable AGC, similar to Classic but only mono-band, very good condition. Have worked WAS/WAC with indoor dipole (really!) Had to send into Dick for him to find a solder bridge - keeps him busy you know. I built it myself on several cold nights when I was in Alaska. Originally sold for \$219.95, will sell for \$170 obo shipping included.

MFJ 9030 30 meter rig. No filter or keyer. Works great. Paul Harden helped me out and put in his IF amplifier mod (Hey, Paul I REALLY need the manual and schematic now old buddy - NOW!) Good condition. Front panel dial markings worn in places. \$95 or obo, shipping included.

NE40-40 - this may be known as the rig that helped start all of this. I was kind and let a local OT build it up for me. It doesn't work and I haven't had time to troubleshoot. It's a basic 40m rig with a Curtis keyer and RIT mod. I'll wrap this up and ship it to you (with absolutely no guarantees except that it hasn't been abused - it just doesn't work). Comes with die-cast box. Price - \$55 obo, shipping included.

I do all of this with sadness, but maybe someone else will get a lot of joy out of these rigs. Please be gentle, I'm fragile! Think I worked the FOX tonite with my upgraded Norcal 40A. Are we having fun yet?

Tim AB50U
Las Cruces, NM

p.s. So far, I've been impressed with the honesty of this group. First (or highest) bids will be honored. I'll ship on your OK but your check/money order, whatever, better not bounce!

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "William C. Robbins" <billrobb@net-link.net>
Subject: [10304] FS: Norcal 40A
Message-ID: <199701291415.JAA01224@serv01.net-link.net>

I am selling my Wilderness Norcal 40A. Works and looks great. Has the built-in keyer and cw frequency mode. I have no idea of value so I am open

to bids and/or trades.

E-mail here or call..... Days 616/345-7988
Evenings 616/375-7978

Thanks.

Bill

William C. Robbins Heathkit Collector

billrobb@net-link.net

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: GREGOIRE@endor.com
Subject: [10351] FSFD
Message-ID: <Chameleon.970129145750.GREGOIRE@Gregoire.endor.com>

Hello Gang,

It's a slow afternoon, I'll be on 15 for 20 min.s at 2000 just like
the schedule says.

The frequency is 21.330 ssb.

Then cul on 40 at 2300 7.030 to 7.050

de AA1IK, Lead by example.
Ernie Gregoire

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd. Fists # 2644, N.E.QRP # 202
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/29/97 14:54:29

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [10310] FSFD NH
Message-ID: <199701291512.IAA15639@dancris.com>

Thanks, Ernie. Caught you on 14.049. Gave you 339, got 229, but it worked,
by golly!
Using a TenTec Argonaut II at 5 watts into a G5RV as an inverted vee.

More fun with FSFD!

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [10358] FSFD Report
Message-ID: <Pine.SUN.3.90.970129113213.2385A-1000000@vortex.sage.dri.edu>

Here is a list of who I worked.

20	CW	28/01/97	2201	1	K2LGJ	559	579	Bob	NY	1
20	CW	28/01/97	2203	2	AC5AM	549	559	BOB	LA 4W	1
20	CW	28/01/97	2205	3	AA1IK	549	559	Ernie	NH	1
20	CW	28/01/97	2209	4	W9KI	569	579	HOWARD	AR 5W	1
20	CW	28/01/97	2213	5	K5ID	539	539	Ken	AR 5W	1
20	CW	28/01/97	2216	6	K3QIO	549	449	Jim	DE	1
20	CW	28/01/97	2221	7	WB0BRO	589	589	ERNIE	SD	1
20	CW	28/01/97	2225	8	W2DP	539	339	Bill	NJ 5W	1
20	CW	28/01/97	2227	9	K4WZ	579	439	RON	GA	1
20	CW	28/01/97	2230	10	N4BP	589	559	Bob	FL 5W	1
20	CW	28/01/97	2232	11	NR5A	579	579	Jerry	SD 4W	1
20	CW	28/01/97	2237	12	VE3JC	569	569	John	ON 5W	1
20	CW	28/01/97	2238	13	K4NK	549	449	LES	SC 4W	1
20	CW	28/01/97	2243	14	N3KFL	539	339	Al	PA 5W	1
20	CW	28/01/97	2246	15	AA8EB	549	479	Mike	OH 3W	1
20	CW	28/01/97	2247	16	WA0UIG	549	559	Russ	IA	1
20	CW	28/01/97	2249	17	KC40	539	559	ROY	KY 5W	1
20	CW	28/01/97	2255	18	WD8RIF	549	559	Eric	OH	1
20	CW	28/01/97	2258	19	KE4YH	549	559	Stew	FL	1

20	CW	28/01/97	2302	20	KB0ZDF	539	219	DEAN	IA	1
20	CW	28/01/97	2306	21	W4ZO	569	529	JOHN	NC	1
20	CW	28/01/97	2310	22	N2MNN	549	559	Steven	NJ	1
20	CW	28/01/97	2314	23	AA1MY	559	559	Seab	CT 5W	1
20	CW	28/01/97	2324	24	WA9PWP	569	559	Paul	WI 5W	1
20	CW	28/01/97	2337	25	WB4FHI	579	559	BOB	NC	1
30	CW	28/01/97	2351	26	N4BP	549	559	BOB	FL 5W	1
30	CW	28/01/97	2356	27	W2ME	539	449	ARCHIE	NY	1
30	CW	29/01/97	0001	28	K2LGO	229	449	BOB	NJ	1
30	CW	29/01/97	0002	29	KI7MN	589	599	Bob	AZ 5W	1
30	CW	29/01/97	0004	30	N3KFL	559	559	AL	PA 5W	1
30	CW	29/01/97	0006	31	AB7MY	579	579	Gary	AZ 5W	1
30	CW	29/01/97	0007	32	KE4YH	599	559	STEW	FL 5W	1
30	CW	29/01/97	0009	33	K5ID	589	579	KEN	AR 5W	1
30	CW	29/01/97	0010	34	WA8LCZ	559	529	Byron	MI 5W	1
30	CW	29/01/97	0013	35	KC4O	549	559	ROY	KY 5W	1
30	CW	29/01/97	0015	36	K4NK	549	559	LES	SC	1
30	CW	29/01/97	0020	37	W2DP	339	339	BILL	NJ	1
30	CW	29/01/97	0022	38	K4WZ	579	589	RON	GA 4W	1
30	CW	29/01/97	0024	39	AC5AM	539	449	BOB	LA 4W	1
30	CW	29/01/97	0026	40	K3QIO	549	559	JIM	DE	1
30	CW	29/01/97	0042	41	N9ZZ	559	339	Bob	AR	1
30	CW	29/01/97	0046	42	WA0UIG	539	339	RUSS	IA 5W	1
30	CW	29/01/97	0048	43	WA9PWP	559	459	PAUL	WI 5W	1
30	CW	29/01/97	0053	44	AA1BK	559	559	Steve	NC 5W	1
30	CW	29/01/97	0113	45	AC4XT	559	449	TOM	VA	1
30	CW	29/01/97	0116	46	K9SUH	589	579	KEN	IN	1
30	CW	29/01/97	0118	47	W9LJX	579	579	JIM	IN	1
30	CW	29/01/97	0125	48	KB0TCY	229	339	Rick	MO	1
30	CW	29/01/97	0128	49	WD9EYB	549	449	Jim	IN	1
30	CW	29/01/97	0146	50	WB0CLD	559	339	Bill	MO	1
30	CW	29/01/97	0207	51	W0RTO	599	549	LOWEL	MO 5W	1
30	CW	29/01/97	0208	52	AA1MY	549	539	SEAB	CT 5W	1

52 QSOs, 22 States and one VE.

Thanks to all, cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
ku7y@sage.dri.edu.....Washoe Lake, Nevada....
QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: GREGOIRE@endor.com
Subject: [10332] FSFD/NH REVISED SCHED FOR P.M.
Message-ID: <Chameleon.970129123142.GREGOIRE@Gregoire.endor.com>

Hello Gang,

So far so good. I worked 24 stations this morning.

However 15 m is dead, as a door nail. So I will stay on 20 meters this
after noon. Try 14.047.5 it was a good one this morning.

The rest of the schedule will remain the same.

de AA1IK, Lead by example.
Ernie Gregoire

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/29/97 12:28:13

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: GREGOIRE@endor.com
Subject: [10360] FSFD/NH UPDATE
Message-ID: <Chameleon.970129170838.GREGOIRE@Gregoire.endor.com>

Hello Gang,

Surprise surprise, surprise, 15 is open,

I worked 11 stations, including ZF2DR, Grand Cayman, .off the back side
of the beam.

So far 39 stations worked, I'll be back on at 2300 per the schedule
7.030-7.050.

de AA1IK,
Ernie Gregoire

Lead by example.

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/29/97 17:05:14

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Len W. Tough" <len@infinet.com>
Subject: [10354] Fwd: CONTEST: CQrp Challenge Contest Format update!
Message-ID: <199701292109.QAA19580@mail1.infinet.com>

Hello Gang!

FOR THOSE THAT MISSED IT THE FIRST TIME- HERE IT IS AGAIN WITH CORRECT
DATES!

Hope to hear u all on the air. 9 days and counting! .

DATES AND CONTEST ANNOUNCEMENT

The first anual CQrp CHALLENGE (sponsored by the Columbus QRP Club) will
be held February 8th and 9th starting at 17:00 z on the 8th and ending
at 17:00 z on the 9th.

The contest is simple and will be fun to compete in. Any amateur station
is invited to join in on the fun, with QRP stations qualifying for the
top awards.

AWARDS

*ANY station that works 3 CQrp Member Stations receives a *WORKED 3 CQRP*
certificate

*THE TOP 5 QRP SCORING stations will recieve a *CQrp CONTENDER*
certificate

*THE HIGHEST SCORING QRP STATION will receive a VRY FB *CQrp CHAMPION* award

*QRP is defined as any station running a power output of 5 watts or less

SCORING AND CONTEST ENTERING INFORMATION

Work a NON-QRP station, count THAT QSO as 1 point

Work a QRP station, count THAT QSO as 3 points

Work a CQrp member station, count THAT QSO as 5 points

Total your points and forward the following information via snail or email to:

Steve Bornstein K8IDN

475 E. North Broadway

Columbus, Ohio 43212

email: saborns@freenet.columbus.oh.us

SEND STEVE

Your Name, Call, Address, Email, Phone

Your station power output during the contest

Your Total Score - AND HOW MANY CQRP MEMBERS YOU HAVE WORKED

YOU MAY USE THE FORM BELOW IF YOU WISH OR USE YOUR OWN

STATION LOGS ARE NOT REQUIRED

PLEASE SUBMIT ENTRIES BY MARCH 1ST, 1997

CONTEST CALL

CQRP DE (YOUR STATION CALL)

EXCHANGE

RST, STATE/PROVINCE, POWER OUTPUT *OR* CQrp MEMBER NUMBER (M#) IF

CQrp MEMBER

EXAMPLE

599 OH M5 - FOR CQrp MEMBER NUMBER 5

599 OH 5 - FOR NON-CQrp MEMBER RUNNING 5 WATTS OUTPUT

SAMPLE CONTEST ENTRY FORM - CQrp CHALLENGE

NAME:_____ CALL:_____ PWR
OUT:_____

ADDRESS:_____

CITY:_____ STATE:_____
ZIP:_____

PHONE:_____
EMAIL:_____

TOTAL NON-QRP STATIONS WORKED:_____ X 1 POINT EACH =
_____ POINTS

TOTAL QRP STATIONS WORKED:_____ X 3 POINTS EACH=
_____ POINTS

TOTAL CQrp MEMBER STATIONS WORKED:_____ X 5 POINTS EACH=
_____ POINTS

TOTAL POINTS EARNED:_____

Please spread the word. Remember ALL amateur stations are welcome to participate, and ANY station regardless of power out can qualify for the *WORKED 3 CQRP* award.
QRP stations only qualify for the top 6 awards.

GOOD LUCK!

THE MEMBERS OF CQrp

CHECK THE WEB PAGE FOR MORE DETAILS IF NEEDED
<http://www.infinet.com/~len>

Best 72/3

Len

KG8SF

len@infinet.com

kg8sf@key.com

QRP-L # 841

CQrp # 2

ARCI # 9025

FISTS # 2134

CHARTER MEMBER - THE COLUMBUS QRP CLUB - CQrp

Web Page: <http://www.infinet.com/~len>

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Scott Bauer <ke3nv@erols.com>

Subject: [10252] halogen lamp QRM

Message-ID: <199701290050.TAA26359@smtp2.erols.com>

Hello Gang,

I wonder if anyone can give a tip or two? There is a halogen lamp in my living room that is totally wiping out my radios with a 599 buzz. My solution was to throw the lamp away, but that did not go over to well.

My TV also does this, even when it is turned off. I fixed that with a switched multiple outlet strip.

Can I use a ferrite rod and wrap the power cable from the lamp around it??

At first, I thought both of these were power line noise. I used the old circuit breaker trick to find the noise was inside the whole time.

Any tips would be greatly appreciated.

Scott

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
Fists 1502 QRP Nut SWL Truck Pilot ARRL

Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40

S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.

38 special at 300mw

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: kf2ph@juno.com (Nick Franco)
Subject: [10277] Heathkit Keyer FS
Message-ID: <19970128.225944.3854.2.kf2ph@juno.com>

I rearranged my shack and bought a few TiCK chips. Now I have this old Heathkit keyer to unload. If anyone is a collector or wants this, let me know. I made a mod to allow 1/4" phone jack input for the paddles and also a phono jack staight key input. I used to have both my paddles and a straight key hooked up at the same time to switch back and forth for different reasons.

I figure \$20.00 should be fine plus shipping - I don't have a manual.

Nick - KF2PH

--

Nick Franco <>< KF2PH/qrp
QRP-L # 13 NE-QRP # 349 ARS # 128 LIQRP
Music Minister - Church of the Nazarene
Patchogue, LI NY Suffolk County

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Peter L. Demmer" <ampruss@hits.net>
Subject: [10294] IF XFMERS.1500/1600/1700Kcs.
Message-ID: <32EF102B.1B61@hits.net>

Greetings from Hawaii. Can and or will anybody out there know or help me find a source for an IF xfmer. This is for an old home brew tube type radio (under construction). The part numbers are:
Miller # 612-W4 or a Millen # 62161.
ARCI #6015 and GQRP #5953

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Jeff Grudin <grudin@pacific.vdbs.com>
Subject: [10347] It's all in the catch! (FSFD)
Message-ID: <32EF9436.6122@pacific.vdbs.com>

Well got up this morning and on the radio 5:00AM PST 7.030-050. Nada Not even anyone working Ernie. Went and made some coffee and crawled back into bed for a while. Up again at 6:00, still nothing. This has been my recent luck

in FSFD at anytime so nothing unusual. Shower and shave and get ready for work. At 7:00 I decided to try once more before leaving for work. This time 14.050, "CQ CQ WAS de AA1IK" Well at least I can hear him this time. Gave it a try. AC6? QRM AGN,
Repeated this senario a few times and.. oh no I'm going to get this far and not make it. AC6K? UP 1. Alright Ernie is going to play ball. Up 1 it is and now I had the QRM. Flipped on the DSP filter and it was gone.
....AC6KW de AA1IK 72 TU . .

Wow! great way to start the day. Thanks Ernie for hanging in there and making it happen. In line with the fishing stories of last week, all the times you get skunked make the catch all that much sweeter.

--

73 de Jeff AC6KW
grudin@vdbbs.com

-----QRP-L

#16 Private Practice : Companion Animals and Exotics
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa Cruz
Santa Cruz, California

QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Chris Cartwright <ccart@vidtel.com>
Subject: [10342] Itty Bitty 4 to 44 MHz VCXO
Message-ID: <Pine.LNX.3.93.970129134911.1163A-1000000@dns.vidtel.com>

Just happened to come across this my issue of Electronic Products. It's a 0.2(W)x0.28(L)x0.08(H) inch variable crystal oscillator that runs on 5V and covers 4 to 44MHz. Comes in surface mount or through hole packages. Says it's "under \$12 in production qty's". The URL is:

<http://electronicproducts.com/hbp/ep/ep2.html> Phone: 800-331-1236

Then search for "MF Electronics", I'll reprint the text of the article if requested. Hope this gives some of the wonderful kit designers or homebrewers something to think about over the winter.

Maybe a 40-30-20-17-15-12-10-9'er ;) I wonder what K5FO would shorten that to...

"No Financial Interest" disclaimer applies.

-- Christopher Cartwright, Tech. Engineer | ccart@vidtel.com
-- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: QLF@mimi@magic.itg.ti.com
Subject: [10270] JOHNSON MATCHBOX
Message-ID: <9701290328.AA08059@itg.ti.com>

From: Brad Bradfield QLF

Subj: JOHNSON MATCHBOX

Someone had a note on yesterday's (I think) digest looking for a manual for a Johnson Matchbox. Sorry, I wrote down your name and e-mail address but lost it before I got around to dropping you a note. I do not have the manual, but do have the schematic as published in an E.F. Johnson flyer. I would be glad to send you a copy if you'll e-mail me. Sorry for the bandwidth folks. I'd very much like to have a copy of the manual too if anyone comes up with one.

The Johnson Matchbox is a great tuner for balanced line, and not too bad for end fed wires. It will work outside the 80-40-20-15-10 meter bands on the band switch, but how well depends on how bad the match is to begin with. If someone could find a nine position replacement band switch, it would be easy to tap the coil for the warc bands too.

Where are all the Matchboxes at, anyway? I've gone to a lot of ham sidewalk sales/hamfests/club sales/etc over the years and I'm not sure I've ever seen one. I traded a friend for the one I have. Another friend seems to think the collectors are hoarding all of them, but I don't really buy that. Even if that was the case, I think we'd see them from time-to-time, even at ridiculous collector's prices. Oh, well. On, on!

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE Electrical Design Engineer
(H) 817-321-2960 Texas Instruments, Inc.
(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: tahrens1@juno.com
Subject: [10273] KVG 9 MHz Filters
Message-ID: <19970128.213528.4887.1.tahrens1@juno.com>

Does anybody know the insertion loss of the following
crystal filters?

XF-9M 4 pole 500 hz cw filter
XF-9NB 8 pole 500 hz cw filter

Thanks,

Tim W5FN

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [10346] Ladder-Line SWR

One way to measure SWR on ladder-line is with a pickup loop
like the TLC Ladder-Lizard. I_{max}/I_{min} is the SWR. There's
also another way to indirectly measure SWR while matching one's
antenna perfectly without a commercial antenna tuner.

First measure the actual voltage conversion ratio of your balun,
e.g. I put a 200 ohm dummy load on the output of my 4:1 balun
and adjust it for a 1:1 SWR on the 50 ohm side.

Then I locate the PC-200 point on the ladder-line. (I'm trying to
coin that term for the point on the ladder-line where placing a
single Parallel Capacitor will result in a purely resistive 200
ohms. The SL-50 point would be where a Series L(inductance) will
cause a purely resistive 50 ohms). The location of the PC-200 point
can be closely estimated using the transmission line feature of EZNEC.

So I have a known capacitance at the PC-200 point resulting in a
1:1 SWR on the 50 ohm side of my 4:1 balun. Eureka, the parallel
inductive feedpoint reactance is equal to that capacitive reactance.
Put that inductive reactance in parallel with 200 ohms, convert it
to a series impedance, and that series impedance is the FEEDPOINT

IMPEDANCE OF THE LADDER-LINE AT THE TRANSMITTER. Knowing that series impedance and the Z_0 of the ladder-line allows us to calculate the SWR. Knowing the length of the ladder-line and the velocity factor allows us to calculate the antenna feedpoint impedance and the impedance anywhere up and down the transmission line. Of course, the feedpoint impedance at the transmitter is probably the most useful information.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [10276] LDG NEWS - AT-11s - SIX LEFTOVERS, \$120 ea!
Message-ID: <Pine.3.89.9701282124.A20668-0100000@w3eax.umd.edu>

Overwhelming response makes it FIFTY AT-11s!!!

FORTY-FOUR AT-11s have been sold. I WILL BUY FIFTY. This leaves SIX leftover AT-11 kits. I OWN THEM (temporarily).

THEY ARE FOR SALE AT COST - \$120 plus shipping.

THE WINDOW ON THE QRP KITS IS CLOSED. Total: 34 kits, 26 enclosures.

Everyone who HAS ordered an AT-11 will receive \$7.50 in their box for each AT-11 ordered because we made the next discount (\$120) level unless you tell me otherwise.

I stand in awe (and amidst a big pile of electronics, come Saturday) of what this group of people has achieved.

A) FIFTY is ALL I'm ordering.

B) We have, at present: 44 ORDERS

C) In other words, I am the proud owner of SIX unsold kits at \$120 each.

D) I'm also floating a LOT of money as I wait for checks to trickle in.

To top it off, we currently have ordered 36 AT-11 enclosures, and that's about all LDG has. They're sending me 50 tuners, of which 44 are sold. For those wanting an enclosure with your order for one of the remaining SIX AT-11 kits, you'll have to wait another three weeks or so, and I'll ship the tuner & case at the same time (unless you wish otherwise).

If you have sent me an order to date, I have included it in the tally.

As I'll be in no position to build anytime soon, I'll send my enclosure off to someone wanting one with their kit, and will replace it from the next batch.

THIS HAS BEEN AN ENORMOUSLY FUN EXPERIENCE. I AM WORKING VERY HARD TO MAKE SURE EVERYONE IS HAPPY. I APOLOGIZE FOR ANY DELAYS YOU MAY EXPERIENCE IN GETTING YOUR KIT.

Thanks for your continued support, and remember that it's all about volunteering your time and effort to your fellow ham and community, one of the MANY things that ham radio is about.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bruce Hopkins <bhopkins@polarnet.com>
Subject: [10368] LDG QRP Tuner Enclosure...
Message-ID: <l03010d00af158dd91c13@[204.119.15.80]>

Hi Gang...

My initial thoughts were to put my LDG QRP tuner in my Sierra... On further thought, I realized that I would then either always have to use the Sierra on all expeditions or at least take it with me to be able to utilize the tuner... Another alternative is to buy two tuners, Dwayne liked this idea... Hi... Scott, who set up the Group Purchase has been talking about the enclosure for the tuner but there were no specifics so I shot a note off to Dwayne at LDG regarding same and here is his response...

<<<"The enclosure packge comes with all panel mounted hardware (S0-239s, Switches, LEDs, power connectors, nuts, bolts, rubber feet, ect...). The size is 4.9W, 6.1D and 1.2H (in inches). Just like the AT-11 enclosure, they are from Ten-Tec (the guys that make radios) and are painted, punched and silk screened.

We just got them in this week, but have plenty in stock. Shipping on just the enclosure is \$6 in the US (\$8 if you get it with the qrp tuner kit).">>>

Dwayne hopes to have some pictures of the new enclosure on his web site in the new future... <http://www.radix.net/~ldg>

72/73/00's - Bruce * KL7JAF

Web Page: <http://www2.polarnet.com/~bhopkins>

Alaska QRP Club Web Page: <http://www2.polarnet.com/~akqrp>

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: ukii@megsinet.net (ukii)
Subject: [10285] More help please...38s
Message-ID: <01BC0D6A.7EAEA340@randolph2er1-2.megsinet.net>

Yes,me again...

Well,I wound the toroids and they seem to have come out ok. They look nice anyways! I kept following the instructions and got down to the end of the resistor installation before I had to stop. I found I need one more IC socket too,so thats another thing I will get from RS tomorrow.

Now,some questions from reading the rest of the manual...

The P2 100k pot,looks like thats what I will be using to tune the radio,so anyone have an idea what to use? I really dont want to try and tune with those tiny blue surface pots,are there bigger ones that you guys are using?

Along the same lines,how about that P1 pot. Looks like thats the volume control,so do I need a wire wound audio jobbie? (I saw a message about that,but sorry,I cant find it) Maybe there is a "matched set" of knobs somewhere?

I was planning on NOT doing any modifications to this radio. I guess

I dont really understand the RIT mod because the radio has a 600hz offset already,kind of like my Icom 735,and I found I never turn the rit control. Cant seem to understand why everyone is putting a linear amplifier in their 38's... maybe I will find out soon!
Is there any modifications I should do? I saw about replacing the 4.7uh choke with a 6.9uh,but couldnt find that at RS,so I will attempt to wind some turns over the 4.7uh choke before I solder it in and have to unsolder it to get the right value.

Oh,I never saw a PC board like this one,do I HAVE to make sure the solder goes through to the other side? I mean,when I looked at some of the solder joints on the TOP,the look just like the ones on the bottom,however, there are quite a few that dont completely flow upwards toward the component.

So,in summary... What kinda P1 and P2 are you using?
What mods SHOULD I do?
Where or what are you using for the 6.9uh choke?

Thank very much for all your help so far...
Might have this critter running tomorrow? YIKES!
73 de john
n9ukx

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "HS2JFW/QRP,Joe" <a37s0112@orchid.bu.ac.th>
Subject: [10268] My web page
Message-ID: <Pine.SOL.3.95.970129101125.18872A-100000@orchid.bu.ac.th>

Hi gang,
I just update my new web page at
"http://www.geocities.com/Hollywood/7227".
Come ahd see me.
73 joe

Pornchai Semjang ,Joe QRP-L #938
HS2JFW , N3YGP QRP-HS#1
Bangkok University or hs2jfw@hotmail.com
a37s0112@orchid.bu.ac.th or hs2jfw@amsat.org
or hs2jfw@callsign.org
HomePage "http://www.geocities.com/Hollywood/7227"

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: nskousen@scientech.com (Niel Skousen)
Subject: [10319] N/T Fox THURSDAY !!
Message-ID: <v02140b0baf151de0e539@[198.60.91.132]>

I almost blew it, AGAIN !!
See you all Thursday evening...

==== Novice/Tech+ Fox =====

WA7SSA Niel Skousen
Thur. 1.30.97 7:00-9:00pm MST
Fri 1.31.97 0200-0400 UTC
FREQ 7.112 +/-
RIG FT-757 @ 3.5w (may try NorCal 40 2nd hr... :-)
ANT Inv.V @ 28 ft, legs E-W
QTH Idaho Falls, ID
QRP-L #119

TNX es GL
73
Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG nskousen@scientech.com
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119
Z-----srv.test-----DN33wm--- . . . -

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "j.w. thornton" <dub@oklahoma.net>
Subject: [10363] Need Help NW 8020 Rig:
Message-ID: <3.0.32.19970129140218.00690dc0@okc.oklahoma.net>

Hey Listers: I purchased a 30 meter NW 80/20 kit from Dan's Small parts last year. (before I knew of Roy Gregsons updated kits). I am just now getting round to building the thingee & had two problems. The first was no TX output power. This was solved when Jeff Gold posted that he had discovered an error in the circuit board that grounded the wiper to the power output pot. Cutting this trace cured that problem.

Now still have a problem with the xtal I.F. filter. There is a jumper (J-1) that takes one end of all three filter caps (330pf) to ground. With this jumper in place, (and it must be in place to follow the schematic), I hear no signals whatever on 30M band. With a sig generator, one can inject enough signal to hear it, but it appears to be 50db or more attenuation, with jumper J-1 in place. Leaving J-1 out, I have a RX with quite good ears, seems plenty sensitive, all the audio one wants driving a speaker. The bandwidth is extremely wide tho, 16K or more, hearing both sidebands and half of the 30 meter band at one setting of the dial.

We have checked for shorted crystals, shorted caps, etc., along with everything else that I can think of to check. Has anyone else built this kit and had such a problem?? Suggestions??

I sure wanted to get this one flying before starting on the 38S, which is sitting patiently waiting for me.

Will be appreciative of anything that might help. "72"

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: n2qce@juno.com (John M. Evans)
Subject: [10303] New address for N2QCE
Message-ID: <19970129.091037.4399.1.n2qce@juno.com>

Hi,

My new e-mail address is n2qce@juno.com. The N2QCE Home Page is still at <http://www.islandlink.com/n2qce>. Please note the change. Thank you.

John M. Evans

n2qce@juno.com

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [10301] NORTEX meeting
Message-ID: <199701291343.HAA28159@vob005.spd.dsccc.com>

Gentlemen and fellow QRP'ers,

You'all are invited to the next meeting of the North Texas

QRP Society (NORTEX) this Saturday the 1st of February 1997 at 10:AM. This meeting will almost be informal (most NORTEX meetings are informal). The meeting will be at the SGI Training facility at 6200 LBJ Freeway. This is about 200 yards East of Preston Road on the East bound (South side) access road.

Our guest speaker for this meeting will be Laura Halliday, VE7LDH. Laura will bring some of her latest prototypes for show and tell.

If you have any new equipment or projects to show, please feel free to bring them.

NORTEX meetings are followed by a BBQ lunch at Dickies.

72s, Charles Cashion, W5ISZ, QRP-L#76

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Wayneb1103@aol.com
Subject: [10296] o-scopes
Message-ID: <970129065340_1212289052@emout05.mail.aol.com>

Am I assuming correctly that when you check the output of the 38s that you are using an RF probe? Also, what about putting 5 watts directly to the scope? I should think this is not a good thing.

On another note....I can put a 7.04MHz signal from my RF generator into the ant of my 49er and hear audio come out the speaker. I have no way of measuring how much gain I am putting into the antenna though. I suspect a bunch. When I put the vertical on I hear nothing eventhough the 520 tied to a loop is hearing bunches of stuff. I did put the mod in using the torrid on the front end.

While swing the RF generator I can make the audio peak at about 7040 so Something seems to be working. I did have to make one other change in that I burned up my 380 and ended up building a board for the 386. Have lots of them, have no 380's. Actually I dont blv that there is a 380 in the entire city of Spokane. I shouldn't think that this would effect my signal grabbing ability though. From where the signal comes into the 380, I soldered in a wire feeding the 386 (direct). The feed attaches to the vol control, then into the 386.

Anyway, as I see it I need more front end gain or something in the front end is attenuating the signal. Also was wonder if I should maybe put the vol control on the output of the 386, before the speaker? Looking for ideas here.

Thanks

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: VEQF47A@prodigy.com (MR DAVID M LOCKARD)
Subject: [10291] postpone mail
Message-ID: <199701290506.AAA80486@mime3.prodigy.com>

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [10355] QRP Record on 24GHz
Message-ID: <970129211603Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

Not the normal bands for QRP I will admit, but definitely QRP!

Hope it's of some interest:-

From the European Microwave Newsletter (newsletter is sent via Email -
see address box at end)

***** NEWSFLASH *****

Petra & Charlie Suckling G4KGC/G3WDG broke the UK 24 GHz distance
record yesterday (14th Jan 97) at approx 9.30

Petra G4KGC was called on the landline by Ari PA0EZ just shortly after
taking the children to school. A test on 24g resulted shortly after
with signals being received 2 ways at 419/529 at a distance of 391km -
just 5 km short of the world record! Petra had problems getting hold
of Charlie at work but a qso sometime later resulted in a second qso
at the same distance.

Petra & Charlie then decided to try a longer path from a site at
Towcester Nr Northampton - unfortunately a qso was not completed at
this distance (425km) but Ari PA0EZ DID hear a carrier from Charlie

and Petra's portable equipment.

Petra is very interested in the propagation method of this record breaking qso! The temp was 0 deg C at the time she left home but was rising steadily on her return from the school run. An estimate of the temp at the time of the qso was around 9 deg C - the weather was bright and clear at the time.

The qso is even more amazing given the power levels involved. Charlie/Petras system gives some 400 mW out and Ari's 100 mW.

Petra could not hear any beacons or activity on other bands (3cms or 23cm) at the time

The QSO does put some of the doubts about 24Ghz qso's out the window:

Long distance QSO's are possible without resorting to the highest peaks and this will undoubtedly lead to further record attempts and qso's.

Overland ducting IS possible

Hilltopping in freezing weather may not be the best way to attempt qso's on this band!

Large power levels are not required to produce microwave records

Further investigations are now under way to try and pin point the actual conditions which made this qso possible and a further report from the record breaking team will be included in the newsletter shortly.

Congratulations to all concerned!

73 Simon GM4PLM
Editor - EMN

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+-----+
|          ***   THE EUROPEAN MICROWAVE NEWSLETTER   ***          |
|          Supporting Microwave Operators Across Europe          |
|                      Editor - Simon Lewis GM4PLM              |
|      Email: emn@pacsat.demon.co.uk      Packet: GM4PLM @ GB7SAN |
| Web Homepage & Microwave Resource Center - www.pacsat.demon.co.uk |
+-----+
```

72 de Dave (G0DJJA)

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Doug Hendricks <ki6ds@dpo1.k12.ca.us>
Subject: [10367] Rainbow Kit Delay
Message-ID: <1.5.4.16.19970129154256.0a4781d8@telis.org>

Guys, I just read the posting on the Rainbow kit delay. This is not bad news, but good news. What it means is that Joe and the boys in the NJ Club are making sure that we will get the best possible kit. This is what happens when you do several runs of prototypes, you get improved kits, but at the cost of time.

I have seen the Rainbow Tuner, and it too will be an amazing value for \$25. Please be patient with the NJ group. They are doing an amazing job for their first kit. Remember, the first NorCal kit started as a run of 25, then went to 50 and finally to 100, and geez, we thought we might be eating those things that winter. The fact that the NJ club is kitting 300 tuners as their first time kit is wonderful. What an effort (believe me Jim Cates and I know about this).

It also speaks very well for Joe and the NJ gang that they are keeping us all informed, and they even offered to refund money if anyone is foolish enough to get out of the queue. Take my advice, wait patiently, DON'T ask for your money back and you will be glad that you didn't panic.

Delays happen (you guys remember the St. Louis tuners?), and they are unavoidable. A friend of mine runs a print shop. He has a sign that says,

"We do work Good, Fast and Cheap, you may choose any two."

That says if for QRP Clubs. We all want it Good and Cheap. So it isn't going to be fast, but that is ok, because by our very nature, we are patient.

Joe and the gang, keep up the good work. We are all anxious, but we will wait. Thank you for your efforts. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [10280] REGISTER YOUR WEB PAGE!
Message-ID: <v03007800af147ecd6e39@[129.74.35.16]>

Greetings.

More and more Internet QRP Club members are developing web pages these days. It would be great if we had a central area for people to get links to these various pages. I have developed just such a place on the Internet QRP Club Web Site.

The Internet QRP Club Member Web Page Registry is now in operation (I took the liberty of registering the first entry.). You can get to it from the club info page on the Internet QRP Club Website:

<<http://qrp.cc.nd.edu/qrp-1/clubinfo.html>>

You can get to the Registry directly at:

```
<http://qrp.cc.nd.edu/qrp-1/club/members.html>
```

This Registry is driven by a database. Each club member can register a link to his personal web page at this site and it will be instantly added to the database. No interaction with a human webmaster is needed. Additions and updates are automatic and immediate.

The list is in three columns: call sign, member name, and member number (your QRP-L number), and can be sorted by each of these. Each callsign provides the hypertext link to the individual member's page.

Each entry is password protected so you can go back and edit your entry and not have someone edit it without your consent.

Please give it a whirl, and let me know how it goes so I can iron the kinks out of it.

[The ham links page will soon be converted to several databases, and folks will be able to contribute URLs to those lists in the same manner as the Registry.]

72!

Steve Hideg, N8HSC/9 QRP-L #136
Check out the Internet QRP Club's site on the WorldWide Web:
<<http://grp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [10267] Replies to "Diving Back In" post
Message-ID: <32efb906.3086209@pop.usit.net>

Thanks for all the suggestions and recommendations via e-mail to me re: my post on getting back into ham radio. The general consensus was that given my lack of financial support at the moment, an easy-to-build kit like the 38S, with mods, would be the ideal. Then when a job comes along, look for a nice QRO rig, for a primary station, and play with the 38 special when need arises. If QRP performance and building fun continue (and I see no reason why they should not!) then build more/different kits, even up to a multi-band Sierra or a commercial (TenTec or OHR seem to be the favorites) kit.

I can't tell you how gratifying it is to me to see the camaraderie and fellowship here. It really reminds me of what ham radio in general used to be, and, with everyone's continued patience and dedication (and elmering!) will be again. I also rediscovered my QRP ARCI number (7514), so keep a sharp eye out for me in a month or so! I may just be beaming bright enough to power the little 38 Special!

72 es 73 de
Marty, KN4BH
mdwatt@usit.net
Jackson, Tennessee
<http://www.public.usit.net/mdwatt>
ARRL VE -- QRP ARCI #7514 -- QRP-L #953
Curmudgeon's Corner"

e-mail: =
=
"The =

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Russ Carpenter <russ@natworld.com>
Subject: [10290] Second Reminder for the February 3 SPARTAN SPRINT
Message-ID: <199701290553.WAA11267@cyberhighway.net>

The February Spartan Sprint will be held on February 3 (which is our standard date--the first monday of the month). Our shifty contest manager, Russ Carpenter, will be out of the country in February. SO PLEASE EMAIL YOUR RESULTS TO RICHARD FISHER, KI6SN, at KI6SN@juno.com. Or use our new automated Spartan Sprint report at the ARS web site.

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST.
Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.
2. The frequencies will be 7040+- kHz and 3560+- kHz. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. If you are operating under the portable QRP rules, add "/PQ" to your call. (You can find those rules at our web site, <http://www.natworld.com/ars>.)
6. You can take credit for working the same station on a second band.
7. To spice things up, we'll give you double credit for every contact on 80 meters.

After the contest, send Richard Fisher, KI6SN, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to Richard by Tuesday night, he will include your data in the contest results, which will be published on Thursday on the ARS web site and the QRP-L. Richard's email address is KI6NS@juno.com.

As an alternative, you can use our new automated Spartan Sprint report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: http://www.natworld.com/ars/events/spartan/submit_spartan.html. Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, antenna tuner and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks

from running up a magnificent score, or achieving an remarkable ratio of points per pound.

ARS provides handsome certificates to the operators who achieve the top two scores in points, and points per pound.

You can get a full explanation the Spartan Sprints from our web site, <http://www.natworld.com/ars>.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@juno.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU, Contest Manager

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: jdenison@aisp.net (JOEL DENISON)
Subject: [10357] shortened Quad Lives
Message-ID: <19970129213135285.AAA173@slip19.ts-f-merrill.caps.maine.edu>

Greetings from the shortened quad command center :-)

I received some snail mail from Harry KM3D that has given a new lease on life to the shortened quad.

According to this magic formula I can cut the length by 1/3 and still expect some gain...

The test ant in the article was a 40 mtr quad with each leg only 22 ft long instead of about 33 ft long. This is a qst article from the april 1977 edition called (BUILD THIS C-T QUAD BEAM FOR REDUCED SIZE)

If this works I can reduce my quad size to fit my yard and money size!

First just how much gain does a double Zepp have over a dipole and how many parts of a db is 1 s unit over a double zepp.

Yes, I'm asking you for that answer! Why? because that is the gain of the 1/3 shortened 40mtr quad. Note was mentioned that the quad did better at 65ft. (two s units over a vertical, at distant points)

My question is just how much gain is this in db. three, four, two? My intention is not to make my ant as short (less than 1/3 shorter) and get more gain out of it.

So if someone can unconfuse me on the gain situation I would be most

happy and continue the project till the little critter is up and running.
(-: In the grand scheme of things the antenna says it all :-)
Except for... :=)

God Bless
Joel

WA5CVM
Joel Denison
81 High street 40 mtr dipole up 40ft
Farmington, Maine 04938 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@aisp.net

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: kt4ld@juno.com (ANDREW H LEWIS)
Subject: [10352] Sorry
Message-ID: <19970129.160324.4351.7.KT4LD@juno.com>

Sorry, I made a mistake in the typing of my webpage as several pointed out to me. It's case sensitive! The address is as follows:
<http://www.angelfire.com/nc/DX>. Come and visit and tell me if you have any suggestions. I will soon be adding more links, that is when I get unlimited internet access!! Does anyone know of such a server that provides fre internet access??

73

K4HQ 16 years old

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: PDouglas12@aol.com
Subject: [10325] St Louis sold--ignore that part!
Message-ID: <970129112736_1446632836@emout06.mail.aol.com>

Gang,

Sorry, the subject line wasn't intended as a come-on. I used yesterday's header and failed to delete the second item. The St Louis is definitely sold and out in the mail!

72,

PJD

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Lisa & Chris McCormack <mccormac@ma.ultranet.com>
Subject: [10249] Substitute wanted for 1L6
Message-ID: <32EE9A74.788C@ma.ultranet.com>

A friend of mine likes to get old radios working and keeps having to replace 1L6 tubes. He's not a purist, and doesn't mind making minor mods to the radios while repairing them. Is there a reasonable solid-state solution to a bad 1L6 tube?

Chris McCormack / n0oqt
c.mccormack@ieee.org

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Larry Gagnon <lgg@ampolexusa.com>
Subject: [10348] Suggestions for backpacking batteries?
Message-ID: <1.5.4.32.19970129194457.0069ac84@webster.ampolexusa.com>

Firstly, thanks to all whom have responded so rapidly and thoroughly to my previous requests for experience and suggestions. This is definitely one of the best lists going and beats the Usenet groups by a mile.

One more query concerns a battery system to power a Sierra for backpacking. I was thinking of the 12V gel cell 3-7AH cases (about 6"x4"x2") but they are rather heavy. Does anyone know of a Nicad or other lighter weight, not too expensive system that would be better? Your responses will be appreciated.

thanks...Larry VE6TN/W0

Larry G. Gagnon, Senior Explorationist,
Ampolex USA Inc. 1050-17th st Suite 2500, Denver CO 80265 USA
tel 1-303-595-9000 fax 1-303-595-0110 email lgg@ampolexusa.com

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [10317] Tektronix 585A and Scopes in General
Message-ID: <v02130513af14b4d4e9a4@[192.31.66.229]>

Roger - Jim here. Congratulations on getting a 585A, one of the finest scopes Tektronix ever built (in my opinion). You asked;

"Anyone have experience with this thing? It's my first scope, and I'm going to use it for everything I can think of, including tinkering with the 38 spl. Comments, pse."

I have a Tektronix 585A, a cart, and both the dual and single trace plug ins. I forget their number, 82 and 86?. It is a very nice versatile scope capable of 85MHz easily. It was built in the early 60s and has the best of both tubes and semiconductors. It cost about \$2000 when discontinued in the early 70s. Construction is such that it will last a lifetime if used reasonably prudently. You can see some activity at higher frequencies than 85 MHz, mine responds to a 2M handie talkie (not coupled directly - just stick a short wire in one of the inputs as an antenna and then stand off a bit and key the handie talkie). It has one disadvantage; the plug ins are slightly different from the more easily available plug ins for the 54x and 53x series. The older series won't work in the 585A. If you got a plug in with the scope you should be set though. Unfortunately Tektronix did not make many 58X series plug ins, but you should be set for HF through 6M work with this scope. There is an adaptor for the older series plug ins; it is blue and sticks out of the scope plug in port about 2 inches.

There is a retired Tektronix guy, Stan Griffiths, whose call I forget, who has written a book about old Tektronix scopes including a chapter on restoring them. I suggest you get a copy; I got mine from Antique Electronics Supply. Stan is also a source of parts. Most of the parts are more or less readily available, but the Nuvistors in the preamp may be hard to locate.

As with almost any topic, there is a section on how to use an oscilloscope in the Handbook. That is a good place to get started. Several popular books are also available on how to use a scope. You may wish to get started by plugging the calibrator signal into one or both of the inputs. Then play with the knobs. Triggering and delayed sweep are the most difficult functions for a newcomer to grasp. A microphone on one of the inputs will give you a lot of fun. If you have kids or grand kids they will spend hours in front of the scope with a microphone. Lisajous figures are a hoot-put one oscillator on the horizontal and one on the vertical input. You can use a square wave generator with appropriate triggering as a time domain reflector. You can also use Lisajous figures to set the phase and amplitude of phased arrays. The dual input scope will also help in this area. By picking off some of your transmitted signal you can monitor the quality of your transmitted signal. You may wish to monitor the signal as it progresses from stage to stage in your 38spl. Turn the pots, caps and inductors used in the rig's alignment and see how the signal changes. Mark the original settings. The line trigger function is useful for determining whether or not noise on a signal is related to the 60Hz line. Use the Graticule to measure frequency (roughly), and voltages. Build a wobulator and use it to align IFs. Use it where you would use an AC voltmeter and

you will learn more. As long as you don't seriously overload the front end or do something stupid like put 110 VAC on one of the inputs or plug the output of a transmitter into one of the scope inputs you will be fine and can't hurt it much. Don't drop it on your toe though.

I'm sure other people can suggest other things to do with a scope. How about it? I can think of a few I forgot already.

Yep, a scope is an useful instrument. You will wonder how you ever got along without one. I paid \$12 for mine at an auction, got a cart for \$20 at the local surplus emporium, (carts are always in high demand for some reason), and another \$20 for a plug in for a 56X series which I traded to a gentleman in Mass I met on the boatanchor list for another the dual trace plug in for my scope.

Modern dual trace scopes with similar specifications from Japan sell for \$600 and up and are not anywhere near as well built as the Tek, so I feel like I got a great deal. Older test gear, particularly that based on tubes often goes for peanuts at sales and auctions, but is really serviceable for the typical ham and allows him to build up a good test capability, particularly at HF, without high expenditure.

A scope like the 585 should go for about \$50 in workable condition and is a bargain at that price. The 50MHz 545 and 547 go for roughly the same price are probably better for the average ham as plug ins are readily available. Try to get the A versions if possible. If you want to buy an old scope get a copy of Griffiths book. He lists things to check out on old scopes before you buy. - Duffey KK6MC/5

James R. Duffey
Principal Scientist
Maxwell Technologies Incorporated/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

(505) 764-3143
(505) 843-7995 (FAX)

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: "Jim Kortge, K8IQY" <jokortge@tir.com>
Subject: [10256] TiCK and Thump
Message-ID: <1.5.4.16.19970129025743.21efb014@tir.com>

Hi Gang....I guess that Subject sounds a little like a song title or something. I'll have to think of some bluegrass banjo ditty someday for that.

I have been following the posts regarding the TiCK changes to get that audio fed into the correct point, and some number of post regarding T/R (transmit/receive) thumping.

While looking at the circuit, I'm wondering if the thumping is coming from C15 being switched by U2. If that capacitor drops any charge at all from being driven by the NE602, it is going to put one rather large input into the U5A amplifier. Its steady state impedance matches resistor R19 at about 1 Hz. I'm planning to remove it in my rig and use a 0.1 uF instead.

As far as the TiCK is concerned, doing a little circuit analysis indicates that the modification that Embedded Research posted is correct in terms of placing the audio into the summing junction of U5A, but the source impedance is much higher than the nominal 6.2 K of the receive audio. (Sum of NE602 output impedance and resistor R19). I believe the Tick audio ought to go through R17 at 2.2 M, C33 at it's stock value of 0.01 uF, R18 should be about 4.7 K, and C32 should be 0.1 uF. No 4.7K resistor is needed to drive the junction of R19 and C34, since the circuit I described ought to look like a 10 millivolt generator (the TiCK audio) with a source impedance of nominally 4.7 K. This would be driving the summing junction, a virtual ground, and should not interfere with the receive audio.

Am I right or wrong. Comments, criticism etc. accepted, but please, no flames. Just trying to figure out what is causing the problem.

I should have my 38S done later this evening. Had to build a @#\$\$%& 6.8 uH choke. Junk box didn't have that value.

72.....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_`<	Mizuho 17/40 SSB
...	(*)/(*)	...

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [10315] TICK Mod.
Message-ID: <199701291542.IAA03555@mailrelay.csn.net>

I was off for a while. Please send me the TICK "official" mod.

72, Bob KI0G

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Gary M. - W2UX" <MAIL4GARY@worldnet.att.net>
Subject: [10281] TKit 1340 on the air!
Message-ID: <19970129044144.AAA11911@LOCALNAME>

Well, I finished my TKit 1340 and got on the air with it tonite (1/28/97). While condx were still good, worked three stations. First contact was with a stn in TX and he gave me a 599! WOW! Nice report and said that it sounded great. I must say that I was proud. Worked another stn in CO and then MO before the band went foul with QSB. Rig works FB and kit goes together without a hitch. Only problems I had were my own fault. All the parts were there and instructions were very good (not perfect...they never are).

TenTec, you did good!

73 from Gary - W2UX QRP-L #593
CW is the REAL THING! QRP ARCI #8911
(EX: WA2UAX) Lexington, SC

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [10282] Toroids, wire, and the 38S
Message-ID: <199701290447.UAA16792@netcom9.netcom.com>

I think that if you're not so generous with the lengths when winding the toroids in the 38S kit, you'll have enough left over to wind L501. I used the lengths as specified in the instructions, and didn't have enough left over to do L501, but I'm sure I cut enough off the ends to have made the difference. A friend saw what was happening on his, was more economical and had plenty for all the coils, even L501. It turned out, he used the piece he'd cut off when making his first

winding to make the link winding on T1.

What I'd do, is not cut the length as called out, but take 4" or 5" off that length, put that through the toroid, and wind with the free end. I suspect you'll be able to put all the turns on with that, but if you wouldn't have quite enough left with the free end, just stop winding with that end, and cut enough loose from the roll to make up the right number of turns.

I was lucky, in another way, though; there was an extra capacitor with my kit that was 330pf, just the right size to become C26.

73, doug

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: NilsBull@aol.com
Subject: [10361] Upping the Ante: Post-Product Detector LPF in Argosy 525
Message-ID: <970129163955_-1912132955@emout10.mail.aol.com>

A couple days ago I got out the soldering iron and started poking around in the AF/IF board (80785) in the Argosy that I'd bought off Chuck Adams a couple HVs back. I was looking at two things: if I used the original (unmodified) post-product detector circuit, I picked up a lot of high frequency noise (white, pink, blue cheese otter, mauve, whatever noise) in the headphones and in the speaker output. I noticed that if I stuck a choke (about .750mH) in the circuit, the noise abated a little. The noise was more noticeable with the military surplus headsets (about 300 ohms) than with the cheap-o RadioShack set that I use with the Sony SWL receiver. Then, when I stuck a 500 mH choke in the circuit, the noise went down, but only on the 8 ohm speaker and with the 8 ohm headset. If I used the military surplus set, the noise was gone, but the signals just sounded muffled as well. I left the choke in place and added two .02 uf caps to make an LPF, almost like the one in Cornell Drentea's article about the Argosy what was published in Ham Radio Magazine (ah, the missed but not forgotten!) in 1986. (Yipes! That's almost 11 years ago!)

So the difference in headphone action I can understand 'cause of the higher impedance of the milsurp set messing up the af amp output... that and the wider frequency response of the RadioShack set (which is weird... like I can hear the bass end of just-off-zero-beat on every signal). And yet... what's the deal here? Might I not also get a similar result by replacing the dual-gate FET product detector with a NE602 used as the PD? And if I did, would I still need the LPF?

Go on, tell me I'm an idiot. Ah lack thayut partuv playin' ray-dee-oh,

junior. C'mon 'n hiyit me agayin withayut mackrel! Ah dayer yew!

Oh, and how can I get the 6 MHz SWL sigs out of the radio on 40 meters (and the 9 MHz SWL sigs out of the radio on 30 meters) without completely rebuilding my entire station and the innards of the radio (or sending it off to Ten Tec for a tune-up)? It's weird, 'cause on 40m they only show up when I use the noise blanker. Almost on 30m, but not as bad... depends on whether the badgers have eaten any more of the ionosphere. Hit's thayim what's cauzin' thayut howul iyin tha o-zone, whichiz whayer ah liyiv mosta the tayim anyhooz, don'tchasee?

73

Nils

WB8IJN +c

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bill Acito 29-Jan-1997 1353 <acito@asdg.ENET.dec.com>
Subject: [10341] W1PA at W1AW
Message-ID: <9701291855.AA05830@us1rmc.bb.dec.com>

Taking a "sanity day" tomorrow (30th) and going down to the League.
Anyone want a sched with W1AW, 1-4pm Eastern, let me know via email.

b

. - I own my own words -

Bill Acito

acito@asdg.enet.dec.com

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: jdenison@aisp.net (JOEL DENISON)
Subject: [10258] web site for ve calls
Message-ID: <19970129021038854.AAA63@slip16.ts-f-merrill.caps.maine.edu>

>

>So, for us inquiring minds, what is the web site with VE call signs ??

>

>thx es 72 de n3qoo

>john

Sry John, I wasn't thinking, seems like I get into trouble if I do
and if I don't... :-)

Here it is

<http://www.ars-sara.ca/arasbook.htm>

God Bless

Joel

WA5CVM

Joel Denison

81 High street

Farmington, Maine 04938

jdenison@aisp.net

40 mtr dipole up 40ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: kt4ld@juno.com (ANDREW H LEWIS)

Subject: [10261] webpage

Message-ID: <19970128.223356.2815.0.KT4LD@juno.com>

I just set up a webpage about DX. Please come one, come all. It's ALWAYS
going to be under construction. I am trying to add as many links as
possible. The address is: <http://www.angelfire.com/nc/dx>. I am also in the
process of setting up another webpage devoted to QRP and other related
topics. It's address is going to replace the DX with K4HQ. Hope you all
enjoy.

73

K4HQ

Andrew Lewis

16 years old

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Mike Hatala <mhatala@ix.netcom.com>

Subject: [10257] Where's da Fox?

Message-ID: <2.2.32.19970129021005.0069f9a0@popd.netcruiser>

Anyone heard Bob this evening? I'm looking for my 3rd fox. Band conditions
aren't that hot for this hunt. Passed my advanced class exam tonight, so I
expect to have a new call in the next few weeks. Back to my Altoids mints

and coffee.

72/73 de KE4WQH Mike

```
=====
*   Mike Hatala - Holiday, FL. U.S.A. Grid EL880E   *
*   QRP-L #887 NJ-QRP #55  Az ScQRPions ARS NorCal  *
*   AK QRP # 086                                     *
*           mhatala@ix.netcom.com                   *
*           Pasco County, FL. R.A.C.E.S.            *
*   Pasco County, FL. Skywarn Spotter #PAS-002A     *
=====
```

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [10264] Where's da Fox?
Message-ID: <970129023852_70511.3041_IHD98-1@CompuServe.COM>

Mike:

Just worked him 579/339 at 7036.9. He was just *rolling* in here. Right after I worked him he called CQ FOX and someone went back to him.

Go get him, guy! Good luck.

72/73,
--Doc/K0EVZ QRP-L #861 Mn-QRP #19 ARRL

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Jim Wilson-EJW012" <Jim_Wilson-EJW012@email.mot.com>
Subject: [10335] WTB: Millivac RF probe/manual

From: Wilson-EJW012 Jim on Wed, Jan 29, 1997 1:04 PM
Subject: WTB: Millivac RF probe/manual

I'm looking for the RF Probe for a Millivac Instruments Model MV-823A-1 RF Millivoltmeter (s/n 4207) and a manual for the instrument. Anybody got one of these stashed away somewhere?

jim

Jim Wilson
3815 NW 72 Dr.
Coral Springs, FL 33065-2244
tel: 954-723-4532 (day); 954-341-3306 (eve)
fax: 954-723-5064
email: EJW012@email.mot.com

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: wd4et@juno.com
Subject: [10263] Re: 2N2222 T0-18 vs T0-92
Message-ID: <19970128.213638.4454.1.wd4et@juno.com>

Scott,

You are right about the pin out on the metal can version of the 2n2222.

The emitter and collector are reversed if you use the triangle holes in the board. It will go in the other way but is not as neat as it's a close fit between the socket for TiCK and C30.

The information was conveniently available in my copy of NA5N's Data book for Home brewers and QRPers.

I'm just going to wait for one of the 2222's I ordered along with the choke and other items I was unable to find locally.

Like usual, this group responded rapidly with numerous, helpful messages. Thanks to all. This is the best place in amateur radio.

73, Jeff WD4ET

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: wd4et@juno.com
Subject: [10306] Re: 2N2222 T0-18 vs T0-92/Data Book
Message-ID: <19970129.092904.13390.0.wd4et@juno.com>

Peter & others,
NA5N's "Electronic Data Book for Homebrewers and QRPers" can be purchased from: 5 Watt Press, 740 Galena Street, Aurora, CO 80010-3922, Fax: 800-344-0740, email: QRPBOOK@aol.com.

It also contains "QRP Yellow Pages", by Richard High, WOHEP.

The price is: \$23.00 postpaid, US, \$25.00 foreign.

The book starts out with a four part analysis of NE602 based QRP rig circuits. Section two has a description of the various types of components followed by specific data sheets. At the end is a summary of test data for many of the popular QRP kits on the market. (Makes me want to build all of them. My wife complains that my workbench is starting to look like a warehouse!) The Yellow Pages are just what you would expect. A directory of suppliers useful for project builders.

The book is an excellent ready reference I keep handy on the workbench.

Disclaimer: No connection with the book, just a satisfied user.

Jeff, WD4ET

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Steve/NOTU <NOTU@webaccess.net>

Subject: [10271] Re: 38 Special Posts, QRP-L=ELMER

Message-ID: <32EEC3E8.5021@webaccess.net>

Nick Franco wrote:

>

> Steve,

>

> Thanks for your posting about this list and the attitude behind the
> Elmer approach. I agree with you. If it were not for this list I would
> not have tried to build anything, and now I'm hooked on building. I
> also would not have spent 100, 200, 300 dollars on a kit to smoke. So I
> spend a few dollars the first time and built something that didn't work
> (no big loss) then I fixed it (over time and advice from this list). I
> had fun, I learned, I'm hooked. The next project was a \$50.00 SW-30
> kit. I use this rig in my car daily and have a ball. I built because
> of this list and the TMPS in the summer time. People Elmered me and
> coached me, yes even yelled at me when I was about to do something
> stupid :-). I need the various messages that come to me from the far
> reaches of the US and even DX through this list. If the gang is on a
> roll in a thread I don't like or am not interested in, my delete key
> works real well and fast too.

AMEN!....It's been my best investment of time and passion
yet!...QRP/QRP-L/49er

Enjoyed your websiteI just got mine up...Needs more work but like

my 49er

not sure if I'll ever finish it...Nice thing about the web it's dynamic!!

CUL Steve

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO
HTTP://www.webaccess.net/~S&P

QRP-L # 911

Steve-N0TU

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Larry East <w1hue@amsat.org>

Subject: [10321] RE: 38S RIT Mod /Chirp Remover

Message-ID: <2.2.16.19970129162048.2e074544@eloi>

In a recent post, Jerry Henshaw wrote:

>

>I removed diodes D301 and D301 in the RIT circuit. and replaced
>them with two 2N3904 transistor switches. The culprit (in my
>opinion --- subject to the scrutiny of better minds) is the -R line
>does not go all the way to 0 volts --- mine drops to 50millivolts.
>The -T line however goes all the way down to 0 volts with some
>RF hash riding on it. The 50 millivolt differential will cause the
>RIT to tune about 1 - 2 khz when switched on.... causing the
>shift in transmit frequency. With the RIT turned off, the -R and
>-T lines are "wire 0Red" together and the chirp is caused by
>the small difference in the ground reference point seen by the
>VX0 circuit. Ori suggests using matched diodes for D301 and
>D302 --- I felt the 50mv reference difference would be eliminated
>or reduced by using saturated transistor switches....it worked
>in my case.

>

I am doubtful that the 50mV difference is the real culprit -- I suspect that one of the diodes is flaky causing the voltage drop across it to vary for some reason. Or maybe that 50mV is varying for some reason?? Anyway, the drop across the diodes should be around 0.7V. This voltage can easily vary between diodes of the same type by as much as 50mV. The collector to emitter voltage across a saturated 2N3904 is typically 0.15V to 0.25V, depending on current and transistor characteristics (in this case, I would expect no more than 0.2V). But, there is no guarantee that the drop will be matched across each switch.

I still don't understand the cause of the problem, but perhaps a better solution would be to use JFET switches which exhibit a (more-or-less) pure resistance when turned on. Maybe something like J309's. Might try it when I

get around to building my 38S. (I have two partially built kits on the bench and 3 more plus the 38S waiting. Now if I could just get snowed in for a couple of days... :-)

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [10297] Re: 38S: Newbie builders, attention! (long)
Message-ID: <32EF43A6.3E69@webaccess.net>

Stephen M Smith wrote:

> Connect the lamp in
> series with the positive lead from you power source to the 38S. If, when
> you apply power to your 38S, the lamp illuminates at full brilliance,
> STOP!

Great Idea Steve....it's simple & cheap!....Thanks for sharing it!!!

Steve

portable/solar powered QRP QRP-L # 911
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO Steve-N0TU
HTTP://www.webaccess.net/~S&P

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [10274] Re: 49er
Message-ID: <32EEC624.E97@webaccess.net>

K4NK@aol.com wrote:

>
> With all the interest in the 49er, maybe one of the kit companys should take
> an interest in it.I have one but it was fun to experiment with and I would
> certainly get a couple more. Any takers?
>
> Les K4NK
> QRP-L #871,all QRP So. Carolina

YES....I would sign up for several more....I can't stop messing w/mine
as you can see from my website.

Steve

--

portable/solar powered QRP QRP-L # 911

49er/HW8/ExplorerII/Zepp in attic @ C0 SPGS,C0
HTTP://www.webaccess.net/~S&P

Steve-N0TU

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Subject: [10349] Re: 49er
Message-ID: <7F093C3D33@iunhaw1.iun.indiana.edu>

Date sent: Tue, 28 Jan 1997 15:31:30 PST
Subject: Re: 49er
From: wager@juno.com (James W. Cates)

That article will make an old man out of me. Orders are coming in for a 49'er, six yesterday. I have made a form letter to steer them to the 38 Special, as I return their checks. jim, WA6GER.

Got this from Jim today. Just what I thought!!!

Good luck Jim.

72 de WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408

(219)980-6718
FAX: (219)980-7125

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Lau, Zack, W1VT" <z1au@arrl.org>
Subject: [10309] Re: A Practice Run at FYBO below 20
Message-ID: <m0vpbdL-0004ocC@mgate.arrl.org>

I discovered in the January VHF contest that cold weather really stiffens up the tuning controls, particularly reduction drives. It got down to zero outside the car, but the gear was inside and I ran the engine/heater when it got really cold.--Zack W1VT.

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Joe Gervais <vole@primenet.com>
Subject: [10289] Re: A Practice Run at FYBO below 20 degrees
Message-ID: <199701290550.WAA23823@usr05.primenet.com>

Howdy Steve and Folks,

Steve (N0TU) wrote:

> Hi Gang...(I'm geting ready for FYBO...a practice run Feb 8-11)
[SNIP]
> my Explorer II for 40m (HW8 lost out due to weight!)is going on
> the XC skiing-sno cave trip. and lotsa wire with the trusty wrist

Sounds like fun! I'd be very curious to hear what effects (if any) the cold wx has on the rig. I know it can put an extra strain on batteries (slowed electrolytic reaction and all). Not sure if the cold would affect the rig though. Guess any heat sink on your finals will to be redundant. :-) Any other QRP-Lers have experience with this?

Good luck and let us know how it goes! Hope to work you while you're out there!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

PS - Maybe we can grab our x-country skis and meet up at 7000' next year? I'll bring the Pop Tarts. :-)

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: VE3JC John <jbcumming@wwdc.com>
Subject: [10329] Re: A Practice Run at FYBO below 20 degrees!!
Message-ID: <32EF81DB.3AC@wwdc.com>

Steve/N0TU wrote:

> ... my Explorer II for 40m (HW8 lost out due to weight!)is going on
> the XC skiing-sno cave trip. and lotsa wire with the trusty wrist
> rocket/Zebco 202!...
> CU soon from below below 20 degrees...Maybe wx perminting! Steve

> -----

Steve,

Never mind the equipment - let us know how the wrist rocket /
Zebco works!!!! (You might have to "pre warm" the sling shot and fishing
line inside your long johns !)

Enjoyed your pictures - looks like it will be fun

72/73, John

VE3JC - JOHN CUMMING

192 WELLINGTON ST. DELAWARE, ON CANADA, N0L 1E0

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Scott Cranston <cranston@zk3.dec.com>

Subject: [10299] Re: Can't access Vibroplex webpage

Message-ID: <9701291332.AA29291@alpha.zk3.dec.com>

You can also see the 'Jade Products' Web page for Vibroplex keyer
info/prices/pictures:

<http://www.hampstead.k12.nh.us/~djade>

If I screwed this URL up you can also get to it from the ARRL 'links'
for advertiser's page (<http://www.arrl.org/ads/adlinks.html>).

The AES and HRO Web sites also list the prices, but don't have any nice
pictures.

Scott

KB1NW

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Ken Lopez <kjllopez@earthlink.net>

Subject: [10311] Re: Can't access Vibroplex webpage

Message-ID: <32EF6BCF.7EF8@earthlink.net>

I just tried it Jeff, and it works for me. No ribs, please, and my
Jeep windows are already tinted. Now, if I could just find someone to
lower it and install some hydraulics...

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bob Marsh <bmarsh@hicom.net>
Subject: [10327] Re:Deilberate CW QRM
Message-ID: <32EF7E15.196A@hicom.net>

Hi again everyone,

The response to my original post was amazing. The advice given ranged from:

- a. Don't let 'em get you down
- b. QSY
- c. You've got more important things to worry about, so get on with it!

All of the above was right on target. I hope I didn't start yet another "neverending thread", and figure this is a good place to stop it. My thanks to all of you who responded with advice and encouragement, and my apologies to the listowners who may be knashing their teeth at another "inappropriate topic" on the list.

At this point, I'm going to follow the advice in (c), above!

73 es gl to all de Bob/KB2SGM

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [10333] Re:Deilberate CW QRM
Message-ID: <Pine.GS0.3.95.970129122959.16517C-1000000@orichalc.acsu.buffalo.edu>

A couple of weeks ago there was a station in argentina calling cq on ssb around 7043 and listening at 7235. I cranked it up and told him to move....politely :-)

The problem with qrp is that it often sounds like the frequency is clear. Intentional qrm is another matter.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

On Wed, 29 Jan 1997, Bob Marsh wrote:

> Hi again everyone,
>
> The response to my original post was amazing. The advice given ranged
> from:
>
> a. Don't let 'em get you down
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> "neverending thread", and figure this is a good place to stop it. My
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> "inappropriate topic" on the list.
>
> At this point, I'm going to follow the advice in (c), above!
>
> 73 es gl to all de Bob/KB2SGM
>

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Vernon A. Hatley" <vhatley@flash.net>
Subject: [10305] Re: Deliberate CW QRM?
Message-ID: <199701291419.IAA14081@endeavor>

There are times I feel that our FOX hunts are being QRMed deliberately. On many occasions I have listened to the chosen FOX frequency before the hunt and it would be silent, not a signal within several KHZ. The very first time the FOX calls CQ FOX, bingo digital QRM. If it happened once in a while I would say it was simply chance. But this happens almost on a regular basis. The puzzling thing is that when the FOX moves so does the digital QRM. I really don't want to believe that someone on the list would even think of doing such a deed. But the offending operator seems to have a sked of when the FOXes will be on. Draw your own conclusions.

--

KK5RO
Vernon A. Hatley
Shawnee, OK

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Joe Gervais <vole@primenet.com>
Subject: [10314] Re: Deliberate CW QRM?
Message-ID: <199701291532.IAA12954@usr08.primenet.com>

Bob (KB2SGM) wrote:

> After the sked, Jeff/VE1ZAC tuned up on the band and found them. They
> never ID'd but they were joking to each other about doing a number on
> us. This was obviously deliberate "jamming" for the hell of it!

...

> I've only been a ham for a little over two years, and got into it
> specifically to work CW. It was quite a shock last night to be messed
> with like this.

Don't worry Bob, this is very much the exception.

Does anyone else feel more than a bit sorry for the pathetic state of the malicious QRMer's life? I mean think of all the things you have to do in your life: Family, work/vacations, friends, building rigs, operating, learning... Far too much to do in far too little time! Why on earth would you choose to waste your valuable time acting like an ill-behaved preschooler?

These (fortunately) rare tragedies of humanity must have no friends, no family, no life, no skill (nor desire to acquire any), and too much time to reflect on it. Kinda sad.

You must realize that the **only** reason they QRM is to screw people up and get a reaction out of them. Figure out how to work around them, and their fun disappears. If your sked continues to experience the QRM, perhaps you could get on the landline, turn down each of your rigs' volume, and use the sidetone via the phone to continue. Soon the QRM will go away, since they aren't getting a reaction or having any effect. Then you can turn the volume up and carry on as usual.

Sound silly? Sure. But I bet it'd work.

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primnet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [10320] Re: Deliberate CW QRM?
Message-ID: <199701291620.QAA17791@chuck.dallas.sgi.com>

Vernon,

It would seem that wouldn't it? The schedule
is on a whole bunch of web pages. Go figure.

With the number of people we have active during
the posted times, looks like we might have some
chance of tracking 'em down???? Someone want
to think about this a head up a committee. (OH
NO, a committee!!!) Well a random organization
to handle a possible solution....

FYI

SIG

Chuck Adams K5FO adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [10323] Re: Deliberate CW QRM?
Message-ID: <32EF6F85.3F49@amsat.org>

Yes, I have had the same thing happen, get's me really steamed.

What we need is a network of stations with some H.A.R.M. missiles
ready for deployment! (HARM= Highspeed Anti- Radiation Missile :-)

I would estimate that after one or two successful launches, there
would be an amazing amount of politeness across the bands... :-)

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Bill Todd <bill@techline.com>
Subject: [10338] Re: Deliberate CW QRM?
Message-ID: <1.5.4.32.19970129180945.0067c14c@mail.techline.com>

Hi Bob -

I know what you mean. It is really a shame, especially considering that you are trying to keep one of your friends active in Ham Radio.

I run into intentional QRM on SSB on 75 meters quite a bit on a Net that I check into regularly, but I do not hear it so much on CW.

I think that more of this is happening now because more and more people are insecure with their jobs, their families, and life in general.

It's kinda like the kid in school that wants attention. It is alot easier to get attention for being a "bad boy" than it is for being a "good boy". It's STILL attention. The best thing to do (in my opinion) is to NOT give them any recognition whatsoever! Don't ask them to stop, don't talk about them on the air, etc.

Hopefully, they will eventually realize that they are no longer having "fun" and will go away.

Good luck, Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: tahrens1@juno.com
Subject: [10272] Re: Fox: 1/29 Tuesday night!
Message-ID: <19970128.213247.4887.0.tahrens1@juno.com>

Ditto on Doc's experience.. Bob, you really were booming in here tonight! I hung around & listened for another half hour, and you seemed to get stronger!

Thanks again for another great operation as Fox!

cu

Tim W5FN

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: VE3JC John <jbcumming@wwdc.com>

Subject: [10328] Re: FSFD
Message-ID: <32EF7ECD.7A76@wwwdc.com>

Steve Hurst wrote:

>
> Has anyone worked every state so far during the FSFD event ?
> Inquiring minds wanna know ! :-)
> Tnx
>
> 73,
> STeve
> KA7NOC

In response to this question (and several California stations who recently commented on the inconvenient times for west coast participation), I thought I would share my FSFD experience so far from southern Ontario.

First, let me say thanks to Jim and all involved in organizing FSFD, and to all the operators who have done such a great job. I've especially enjoyed the early morning qso's.

I expect that a many operators have taken a "cherry picking" approach to FSFD - a chance to pick up those last few states for WAS QRP. I viewed it as an opportunity to experiment with equipment and operating procedure, propagation, and the effectiveness of "skeds". And it's just plain serious fun !!! With current band conditions and personal obligations (cub scout meetings, family, work, etc) I anticipated about a 50% success rate. However, I have only missed Hawaii (band condx), Nebraska (band condx), and Illinois (meetings!) so far. All except KS were worked during their "scheduled" times (John kindly agreed to a sked the day after qrn prevented a complete exchange during his normal time). Equipment here is IC735 @ 5W or QRP+ @ 5W to 40/80 trap dipole at 20', 30m dipole at 30', triband yagi at 45', and 160 m inv. L. (Datong audio filter, soon to be replaced with DSP59+, has helped). I would say the average "hunt" time has been less than 10 minutes (altho Laura took a bit of digging, and 2 hours of static crashes listening for Nebraska ups the average!). As others have commented, there has been lots of opportunity to work other stations by "hanging around" the FSFD station's frequency.

I'll be sending QSLs out (some may have to wait until I replenish my stock of US stamps for sase's). BTW if anyone wants Canadian stamps for QSL SASE's, I'd be happy to "swap" a supply of stamps by mail.

So for what it's worth, here's my FSFD log so far.

MO.DAY,UTC,FREQ,CALL,NAME,STATE,SENT,REC'D,FSFD#
01.02,1:52,7.04,KS4L,RANDY,AL,339,339,1
01.02,2:32,3.56,KS4L,RANDY,AL,579,469,1

01.02,11:08,3.56,N9ZZ,BOB,AR,559,559,2
01.03,23:13,7.04,W7KXB,BILL,AZ,549,449,3
01.04,21:02,14.06,KB0VCC,DALE,CO,539,339,4
01.05,21:02,10.11,W6JHB,JIM,CA,439,339,5
01.05,22:11,14.06,AC6KW,JEFF,CA,549,449,5
01.06,0:12,7.04,K6LS,PHIL,CA,559,539,5
01.08,2:18,7.04,AA1MY,SEAB,CT,549,449,6
01.08,2:39,3.56,K3AS,BILL,DEL,559,549,7
01.09,2:54,7.04,N4BP,BOB,FL,439,339,8
01.09,3:24,7.04,N4XY,ED,GA,569,569,9
01.11,17:16,10.11,AC5AM,BOB,LA,559,559,10
01.12,20:16,14.05,AB7TK,RANDY,ID,539,339,11
01.15,3:45,3.56,N9DD,TOM,IN,559,559,13
01.17,3:40,3.70,WA9PWP,PAUL,WI,579,489,15,
01.18,1:37,3.70,KC40,ROY,KY,599,599,16,
01.19,1:00,7.04,WA5CVM,JOEL,ME,559,559,17,
01.21,2:05,3.55,N3REY,JOHN,MD,549,539,18,
01.21,22:17,7.03,WA1QVM,JOEL,MA,559,559,19,
01.23,0:02,3.69,WA8LCZ,BYRON,MI,549,439,21,
01.23,4:03,3.56,KG0MZ,JOHN,KS,439,339,20,*
01.23,22:23,7.04,K0EVZ,DOC,MN,559,559,22,
01.24,4:14,3.53,K5IID/8,TOM,WV,439,439,23,
01.25,1:35,7.04,K5XU,MIKE,MS,339,449,24,
01.25,19:32,14.05,AL7FS,JIM,AK,559,339,25,
01.25,19:59,14.05,N0IT,DAVE,MO,539,559,26,
01.26,20:54,14.05,KJ7UN,LAURA,MT,539,249,27,
01.28,0:14,3.55,W8PT,RICK,WV,569,559,23,
01.28,22:34,14.05,KU7Y,RON,NV,569,569,28,
01.29,14:01,7.04,AA1IK,ERNIE,NH,569,559,29,

72/73, John

VE3JC - JOHN CUMMING

192 WELLINGTON ST. DELAWARE, ON CANADA, N0L 1E0

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: Jeff Grudin <grudin@pacific.vdbs.com>

Subject: [10364] Re: FSFD Report KU7Y

Message-ID: <32EFD56E.2EC3@pacific.vdbs.com>

Ron,

Nice Job. Great coverage. However no WA, OR, or CA. It still supports my hypothesis that there is a west coast antiradiation force at play.

Maybe it's from static electricity built up as the magma churns beneath the crust. Yeah,.... thats the ticket. This games not fair, we need a handycap. Hi Hi!

See you out there!

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "M. Monninger" <markem@primenet.com>
Subject: [10259] Re: halogen lamp QRM
Message-ID: <3.0.1.32.19970128191711.009424b0@mailhost.primenet.com>

At 07:50 PM 1/28/97 -0500, Scott Bauer wrote:

> Hello Gang,

>

> I wonder if anyone can give a tip or two? There is a
> halogen lamp in my living room that is totally wiping
> out my radios with a 599 buzz. My solution was to throw
> the lamp away, but that did not go over to well.

Throw it away...those things are fire hazards anyway (try that approach). Really, there were several fires in our area blamed on those cursed things. One caused a million dollar fire in a business.

I have one that does that too. If it's full on (or off, of course) it doesn't make noise. It's the el-cheapo dimmer circuit in them. I suppose you could bypass the dimmer circuit but I don't know if it's worth fooling with. As soon as I get a replacement, ours is going to the trash.

73... Mark

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [10265] Re: halogen lamp QRM
Message-ID: <32EEBBFA.31F@primenet.com>

I'll second Mark's comments. Halogen lamps are incredibly hazardous. Something you should never have in a home. Someday the insurance companies will pick up on this. Get rid of it.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: JCoote@aol.com
Subject: [10331] Re: halogen lamp QRM
Message-ID: <970129115906_817668325@emout04.mail.aol.com>

In a message dated 97-01-28 19:54:52 EST, ke3nv@erols.com (Scott Bauer) writes:

>
> Hello Gang,
>
> I wonder if anyone can give a tip or two? There is a
> halogen lamp in my living room that is totally wiping
> out my radios with a 599 buzz. My solution was to throw
> the lamp away, but that did not go over too well.
> My TV also does this, even when it is turned off. I
> fixed that with a switched multiple outlet strip.
> Can I use a ferrite rod and wrap the power cable from
> the lamp around it??
> At first, I thought both of these were power line noise.
> I used the old circuit breaker trick to find the noise
> was inside the whole time.
> Any tips would be greatly appreciated.

Scott and Group,

Some indoor halogens have a rheostat (pot) to control brightness. Although there are no SCR's or other "light dimmer" circuitry inside, the pot setting seems to affect noise.

We remodeled and put the lamp in a yard sale and convincing my wife that the

RFI from the lamp was a form of electromagnetic RADIATION also helped ;-)

Those stuck with these lamps could try capacitors across all three leads, high neutral and ground. Series RF chokes may also help.

Light dimmers are also culprits. These put out harmonics of the 60 hz line frequency all over the place. I won't have these in my house, so don't know how to cure dimmer RFI, perhaps the caps-and-chokes method?

When I was a Lower (160-190 Khz QRP experimenter) my neighbor's dimmer noise was so bad (I DF'ed it to his house), I was considering a dimmer-seeking missile.

Good luck

73, Jay
W6CJ

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Jim Wilson-EJW012" <Jim_Wilson-EJW012@email.mot.com>
Subject: [10339] RE: Halogen Lamp QRM

From: Wilson-EJW012 Jim on Wed, Jan 29, 1997 1:24 PM
Subject: RE: Halogen Lamp QRM

I had one that produced really bad QRM (even some low-level when it was 'off'), my wife loved it and payed too much for it to throw it out. I figured I'd try the usual line filters, etc. It turned out that this device used some form of high frequency chopper to produce the drive power for the 50 watt lamp, it did not use a variable pot, just hi/lo switch. The only viable cure was to gut it and to use a separate transformer with a good bit of punch. It wasn't a lovely solution since the xformer sits in its own box -- but no noise now (from that, at least). I'm writing this from memory, so if anyone is interested in the details of the offending circuit let me know and I'll find it in my junk (!) box.

jim

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Scott Bauer <ke3nv@erols.com>

Subject: [10366] Re: halogen lamp QRM

Message-ID: <199701292309.SAA08384@smtp2.erols.com>

Jay,

Thank you for the tip. Something strange happened last night as I was heading for bed. A dimmer seeking missile did hit the lamp. It was really my hand traveling at a very high speed. The cheapo lamp is now in halogen heaven, bless its 60 hz soul. I feel better now, I will soon have a new lamp and no !@#* QRM.

72, Scott

>Scott and Group,

>

>Some indoor halogens have a rheostat (pot) to control brightness. Although
>there are no SCR's or other "light dimmer" circuitry inside, the pot setting
>seems to affect noise.

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>

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>

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>was so bad (I DF'ed it to his house), I was considering a dimmer-seeking
>missile.

>

>Good luck

>

>73, Jay

>W6CJ

>

>

>

>

>

>

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
Fists 1502 QRP Nut SWL Truck Pilot ARRL
Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.
38 special at 300mw

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: john andrews <jm165723@eee.org>
Subject: [10248] Re: Help with Toriod winding.
Message-ID: <32EE9726.7131@eee.org>

> So.... All you kit builders,I will be picking your brains on this one!
> Thanks so much !
> 73 de john
> n9ukx
>
> (I hope Norcal will continue to sell me kits!)
>
> *** if it doesnt have a Sidetone,
> it must be a CB ***

Bottom line:

1. The turns "should" take up about 70% of the toroid.
2. Turns should be evenly spaced from one another.
3. ANY TIME a wire passes through the center of the core it counts as a turn.
4. Polished/tumbled cores are fine with enameled wire, others may need a covering to keep from scratching the enamel of the wire.
5. Patience is a word also. :-).

So much has been written about boiling cores, I won't bring it up.
If you are interested,however, the QRP-L resourse page has some info
by several esteemed authors who frequent this list.

Just in passing.... The -7 cores are more stable then the common
-2(red) and -6(yellow) types.

72, john-n5inz

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: john andrews <jm165723@eee.org>
Subject: [10279] Re: Help with Toriod winding.(Oooops!)
Message-ID: <32EED24F.587D@eee.org>

Paul R. Valko wrote:

>

> On Tue, 28 Jan 1997, john andrews wrote:
>
> > 1. The turns "should" take up about 70% of the toroid.
>
> So you are saying that 30% of the core should exist between the leads?
> That hardly seems possible.
>
> 73 =paul= w8kc

Ooops....What I *meant* to say was:

The leads should be at a 30 degree gap. Sorry.

Ref: Handbook '96- pg 25.23 fig 25.34 (See...I CAN read...:-)

Thanks, Paul

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [10345] Re: Itty Bitty 4 to 44 MHz VCXO
Message-ID: <199701291925.NAA10732@multi13.netcomi.com>

Chris --

I read the announcement and, unless I have misinterpreted it, this is a VCXO and the adjustment range is very limited. You can order a custom part with a center frequency anywhere in the range between 4 and 44 MHz, and then use the voltage control input to move it + or - 150 ppm. Thus, if you buy a 10 MHz version, you can move it up or down 1.5 kHz.

This is useful, for example, if you needed a fixed 10 MHz reference for a synthesizer and wanted to be able to lock it to an external reference like a rubidium source.

I don't think this would be what you wanted for the 40-30-20-17-12-10'er. Fox Crystal does have a synthesized crystal oscillator module for \$25.00 that does cover a wide frequency, but its phase noise is not adequate for communications equipment. It is mainly used for generating all those oddball frequencies in PC graphics cards so they can support all the strange sweep rates and resolutions.

I think the 40-30-20-17-12-10'er would be called the 4-3-2-1-blaster.

Mike K1MG

>

> Just happened to come across this my issue of Electronic Products. It's
> a 0.2(W)x0.28(L)x0.08(H) inch variable crystal oscillator that runs on 5V
> and covers 4 to 44MHz. Comes in surface mount or through hole packages.
> Says it's "under \$12 in production qty's". The URL is:
>
> <http://electronicproducts.com/hbp/ep/ep2.html> Phone: 800-331-1236
>
> Then search for "MF Electronics", I'll reprint the text of the article if
> requested. Hope this gives some of the wonderful kit designers or
> homebrewers something to think about over the winter.
>
> Maybe a 40-30-20-17-15-12-10-9'er ;) I wonder what K5FO would
> shorten that to...
>
> "No Financial Interest" disclaimer applies.
>
> -- Christopher Cartwright, Tech. Engineer | ccart@vidtel.com
> -- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com
>
>

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [10350] Re: Itty Bitty 4 to 44 MHz VCXO
Message-ID: <199701292000.UAA18288@chuck.dallas.sgi.com>

Chris,

40-30-20-17-15-12-10-9'er -> all-bander

: -)

You did ask.

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: k5vp@earthlink.net (Kevin Potter)
Subject: [10356] Re: Itty Bitty 4 to 44 MHz VCXO
Message-ID: <v01550100af1501a765c2@[206.250.111.114]>

>Chris,

>

>40-30-20-17-15-12-10-9'er -> all-bander
>
>:-)
>
>You did ask.
>SIG
>Chuck Adams K5FO adams@sgi.com
>http://reality.sgi.com/employees/adams_dallas/

Hmmmm....The cornerstone to the next kit after the38s???

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [10359] Re: Itty Bitty 4 to 44 MHz VCXO
Message-ID: <Roam.3.0.1.854574025.29733.myers@bigboy>

There *are* synthesized oscillators in the metal-can DIPs that look like the cheap crystal oscillators, but actually take a serial data stream to select one of many possible operating frequencies. The frequency steps aren't regular, and the phase noise performance of these puppies is probably atrocious, but they exist.

I'm CCing my friend Rick, who has actually tinkered with one of these in a digital application. Perhaps he can follow up with real experience..

Dana K6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Ed Tanton <n4xy@avana.net>
Subject: [10365] Re: Itty Bitty 4 to 44 MHz VCXO vs???
Message-ID: <3.0.32.19970129175357.009b6cf0@tiger.avana.net>

Wouldn't it be just as small to build a small varactor VFO and stabilize it with a 4046 to 1 Hz e.g. huff-n-puff style??? Oughta be able to put that onto a 2 x 2 inch breadboard. OK you gurus, why not???

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX

189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Ed Pacyna <pacyna@auratek.com>
Subject: [10353] Re: Ladder-Line SWR
Message-ID: <3.0.16.19970129151804.3ff70df4@galaxy.auratek.com>

>One way to measure SWR on ladder-line is etc. etc. (deleted)

Why would anyone want to measure this anyway?

I thought the reason for using ladder line is it's ability to handle very high SWR with low loss (like in a multiband antenna).

Ed, W1AAZ

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [10322] Re: N/T Fox THURSDAY !!
Message-ID: <v01540b00af152d4301bb@[157.142.56.167]>

(snip)

>See you all Thursday evening...

>

>==== Novice/Tech+ Fox =====

>

>WA7SSA Niel Skousen

(snip)

I think I may go home and string up a new antenna aimed at Niel's QTH -- I am determined to work at least ONE Novice/Tech+ Fox before this thing is over with! :-)

They do exist, don't they? ;-)

Mike N5JKY
Edmond, OK

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [10255] Re: OOPS, Thanks on queries,FS
Message-ID: <32ee8976.70741306@pop.usit.net>

On 28 Jan 1997 16:52:38 -0600, "rohre" <rohre@arlut.utexas.edu> wrote:

>Bencher black based iambic paddles \$45 plus shipping,obo. Excellent
>condition, with cable and plugs. [And if you know how to pack these for
>shipping without the spring parts jumping out, please advise.] Rubber =
bands??

Don't know if this will help the shipping issue, maybe it will generate
a few ideas for you, but I "made" a carrying case for my bencher paddles
and CMOS Superkeyer II out of an old cassette carrying case. The case
originally held 10 cassettes, five x 2 style, and had a handle. I used
some anti-static foam to coat the bottom, sides, top, and to divide the
case into two chambers.

Don't know that this is something everyone might want to try, but it
worked for me!

(I'm not real good with technical discussions -- practical, like this, I
can contribute! <G>)

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Joe Everhart <n2cx@voicenet.com>
Subject: [10254] Re: Rainbow kitting update - what a group!
Message-ID: <199701290103.UAA14733@mail3.voicenet.com>

Gang,

I am absolutely flabbergasted! After posting the update
last night announcing delays, I have been inudated with
replies. And EVERY SINGLE ONE says don't worry about it,
just do a good job! There are just too many messages for

me to reply to.

This group simply has to be the greatest in class! As long as ham radio has an assemblage of folks as enthusiastic, understanding and kind as the qrp-1 gang, it will never die!

Speaking humbly for all of the NJQRP gang, thanks and...

72/73,

Joe E., N2CX

>From Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [10334] RE: Scopes
Message-ID: <Pine.A41.3.95b.970129090922.77128A-100000@homer26.u.washington.edu>

The Tektronix 2200 series of oscilloscopes were problematic. That was their intro line of scope products for a while. We had one at work and it gave us fits with intermittent switches.

Am now using the Tektronics 2400 series at work. Very reliable but who can afford one? Tek cuts us a deal (university discount) on scope purchases. Did have to have one repaired last year to the tune of \$950. Someone toasted one of the input channels.

After the fiasco with the 2200 series, for home use I bought a Hitachi V650. It's a 3-channel 60 MHz analog scope with the delayed sweep function. I've had it 11 years now and have had no problems with it whatsoever. These sold for \$650 new, about 60% of what a TEK 2260 was selling for at the time.

My 2 dits worth,
Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997

From: "Bob Follett" <bfollett@ditell.com>
Subject: [10318] RE: Scopes -- More Questions
Message-ID: <199701291618.JAA06837@orion.ditell.com>

Gang:

> From: James R. Duffey <ji3m@maxwell.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Tektronix 585A and Scopes in General
> Date: Wednesday, January 29, 1997 8:43 AM
>
> Roger - Jim here. Congratulations on getting a 585A, one of the finest
> scopes Tektronix ever built (in my opinion). You asked;>> SNIP

This discussion raises an unanswered issue with me.

Everyone on the list suggests buying a used Tek. Ok, but not being a scope-aware person, I don't know the old model line.

Could some Tek experts post some general advice to the group on what the main models are that we should be looking for? And perhaps some advice on purchasing used scopes....Is Nuts & Bolts the place to go? What about calibration?

Specifically, I would like to know what are the 100 to 200mhz desktop-sized model for less than, say, \$900.

I am sure others, like Roger, would be happier with the larger, plug-in module types, as they are cheaper, assuming you have the room for them. So how about a list of the best in each category....Best price, best affordable performance, and break down by form-factor.

If nothing else, I'll ask for an Elmer to step forward and help me find something at Dayton. :-)

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Al Moyle <moyle@essc.psu.edu>
Subject: [10324] RE: Scopes -- More Questions
Message-ID: <3.0.32.19970129114355.005b0540@pop3server.essc.psu.edu>

>Specifically, I would like to know what are the 100 to 200mhz desktop-sized
>model for less than, say, \$900.
>

Bob

I'm no expert on these things ... However, let me tell you about the scope I bought a few months back. It's a Tek 7404A. These are 1970's vintage and are solid state (transistor) scopes. If I remember correctly, that is a 200 or 250 MHz mainframe. You have to buy at least 1 time base and 1 vertical amplifier to have a working scope (it can hold 4 plug-ins). I forget which plug-ins I bought right now, but I can check when I get home tonite if you are interested. These scopes are commonly available on the surplus test equipment market (check out the ads in Nuts and Volts) ... I think that the government may have dumped a bunch of them. I paid \$600 for the whole thing (including two probes and partial photo copies of the manuals ... I may have to look for full manuals at Dayton this year), so that meets your price goal. I'm not sure if that's a bargain price or not, but it works great and I'm satisfied. If anyone wants the name of the outfit I bought it from, e-mail me direct. Hope that helps ...

73,
Al Moyle N3KFL

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Stephen C. Finch" <radiobus@A.crl.com>
Subject: [10340] Re: Scopes -- More Questions
Message-ID: <32EFAA0A.26D5@a.crl.com>

Bob Follett wrote:

>

[snip]

> Specifically, I would like to know what are the 100 to 200mhz desktop-sized
model for less than, say, \$900.

>

[snip]

> 73, Bob

>

> -----
> Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
> 2861 Estates Dr. VOICE: 801.649.6457
> Park City, UT 84060 E-mail: bfollett@ditell.com

Bob,

I use the HP 465 - 100mhz, dual input. It is a great scope, somewhat portable, many features, and easy to use. Cost - approximately \$600 to \$800 depending upon condition and calibration.

Steve Finch
AI0W

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [10253] Re: SG-230 tuner

>From: Robert Penneys <radio@UDel.Edu>
>I am thinking about trying out the SG-230 auto-tuner with some wire
>antenna or other at home. Ever use one? Anything you liked or not?

Hi Bob, I've got one that I use for mobile with a 17 ft whip to cover 20m-10m. It even works on 40m. Any antenna one uses with an unbalanced autotuner needs a ground plane, counterpoise, (or even a balanced antenna). It works poorly on end-fed long-wires. The classic single-line fed Windom over a good ground plane would be a good candidate. A vertical with a good ground plane would be ideal for this tuner. It should work well in any installation where the ground terminal on the tuner can be grounded.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [10312] Re: TiCK and Thump
Message-ID: <19970129.071834.4951.2.DWink@juno.com>

On Tue, 28 Jan 1997 21:57:43 -0500 "Jim Kortge, K8IQY" <jokortge@tir.com> writes:

>While looking at the circuit, I'm wondering if the thumping is
>coming from C15 being switched by U2.

I have often wondered why designers all seem to put such large coupling capacitors in the early portions of the audio chain, where the impedances are quite high. I would think 0.1uf would be just fine. You'll lose about 1 db. Using a 0.22uf cap still gives you some low freq. roll-off (down 3 db at 150 Hz) but you lose only 0.4 db. I've got

a bunch of those, and will use 0.22uf.

How about it Ori, can you share with us your reasoning behind such a large (22uf) value for C15? (NOT A FLAME)

>As far as the TiCK is concerned, doing a little circuit analysis
>indicates that the modification that Embedded Research posted
>is correct in terms of placing the audio into the summing
>junction of U5A, but the source impedance is much higher than
>the nominal 6.2 K of the receive audio. (Sum of NE602 output
>impedance and resistor R19).

Aren't those two in parallel, not series, as seen by the TiCK output? That would give about 1.137K.

> I believe the Tick audio ought
>to go through R17 at 2.2 M, C33 at it's stock value of 0.01 uF,
>R18 should be about 4.7 K, and C32 should be 0.1 uF. No 4.7K
>resistor is needed to drive the junction of R19 and C34, since
>the circuit I described ought to look like a 10 millivolt generator
>(the TiCK audio) with a source impedance of nominally 4.7 K. This
>would be driving the summing junction, a virtual ground, and should
>not interfere with the receive audio.

Now you've lost me. Going to have to think about that, and it's time to go to work.
Keep up the discourse. We are all learning.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

-----whom the gods would destroy, they first make proud -----

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [10313] Re: TiCK and Thump
Message-ID: <32F03FB3.A11@kodak.com>

I have tried various things now, and it appears that the thump is still eluding me.

First the easiest thing was to disconnect the sidetone of the TiCK, and make sure that the Thump was still there. Also, the "telemetry tones" of the TiCK do not thump, so this

implies the Tx/Rx switchover.

Yep, so nothing coming from the TiCK.. Phew!

SO switching from tx to rx seems to be the problem.

I disconnected the two diodes at the top of the schematic that allow quick Tx switching, but block the Rx switching till the 2 time constants are met.

Removing one end of these diodes, means that the Tx switching is now subject to the time constants, as well as the Rx change over. Thump Thump.. Which means that the diodes are not leaky and causing a time constant change.
Thump still present!

Ok, C15, I had thought about this rather large cap before, and tried a smaller value.. Thump still there.

Ok, what next I say. Somehow that changeover from Tx to Rx via the Bilateral 4066 has to be the culprit, but I will continue to seek this out.

Any further ideas beyond what I have done are certainly appreciated!

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: No Data Available <earwax@indy.net>
Subject: [10343] Re: W1PA at W1AW
Message-ID: <Pine.LNX.3.91.970129140619.32131C-1000000@trixie.qrp.com>

Bill,

Just tell us where you'll be and we'll look for ya'.

73 es etc...

N9NVV

Principal from BOS..."There's no problem so large it can't be solved by killing the user off, deleting their files, closing their account and reporting their REAL earnings to the IRS." earwax@indy.net

On Wed, 29 Jan 1997, Bill Acito 29-Jan-1997 1353 wrote:

>
> Taking a "sanity day" tomorrow (30th) and going down to the League.
> Anyone want a sched with W1AW, 1-4pm Eastern, let me know via
> email.
>
> b
>
> - I own my own words -
> Bill Acito
> acito@asdg.enet.dec.com
> |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA
>
> W1PA qrp-ne qrp-l adv-rs arco norcal amsat-na arrl-life
>
>
>
>
>

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [10344] Re: W1PA at W1AW
Message-ID: <199701291910.NAA09671@multi13.netcomi.com>

Bill --

See if you can convince them to turn the rig down to 5 watts! Should do
very nicely with those antennas. That would be a very rare QSL: W1AW,
2-way QRP!

Mike K1MG
ARRL Life member

> Taking a "sanity day" tomorrow (30th) and going down to the
League.
> Anyone want a sched with W1AW, 1-4pm Eastern, let me know via
> email.
> W1PA qrp-ne qrp-l adv-rs arco norcal amsat-na arrl-life
>

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [10266] Re: Where's da Fox?

Message-ID: <32EEBCB6.134F@primenet.com>

Heard him clearly until abt 0245Z, then he faded. LOTS of QRM around.
Had the pleasure of hearing AB7TT work Bob, but I never could get him to hear me.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [10269] Re: Where's da Fox?
Message-ID: <1.5.4.16.19970128152205.251f12bc@destin.nfds.net>

At 09:10 PM 1/28/97 -0500, Mike Hatala wrote:
> Anyone heard Bob this evening? I'm looking for my 3rd fox. Band conditions
>aren't that hot for this hunt. Passed my advanced class exam tonight, so I
>expect to have a new call in the next few weeks. Back to my Altoids mints
>and coffee.

Didn't hear Bob, but I did hear a number of stations working him. Once
again, the QRN is terrible here.

Congrats on the upgrade!

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU Wed Jan 29 18:01:35 1997
From: JCoote@aol.com
Subject: [10260] Re: Wire ant. w/SG-230 tuner??

Message-ID: <970128210503_2024852835@emout03.mail.aol.com>

In a message dated 97-01-28 12:00:09 EST, radio@UDel.Edu (Robert Penneys) writes:

>

>I am thinking about trying out the SG-230 auto-tuner with some wire antenna
>or other at home. Ever use one? Anything you liked or not?

>

>Please let me know. Tnx, Bob N9GG

Bob,

I haven't used the SGC-230 (100 watt) or SGC235 (500 watt) tuners but I have used the Icom AH-2 tuner which is the same in many ways.

These tuners are the "longwire" (aviation or military type). They are not designed for coax, and indeed do not have coax outputs, only a ceramic insulator to be connected to a whip or a wire antenna, plus a ground (RF counterpoise) terminal.

The Icom and SGC tuners will (typically) load an 8' to 20' whip or vertical wire from 3-30 Mhz (continuous). By adding a wire of 50' or more, the system will cover 1.6-30 MHz with better efficiency on 3-30 MHz.

I believe the SGC tuners will tune with a 3-watt minimum RF power; the Icoms may require 10 watts. The Icom will not work with other radios to my knowledge.

In my case, I have used an AH-2 on the inside wall of a fullsize Ford van, with only two inches of lead from the tuner to an Antenna Specialists whip and ball mount.

These tuners will work with any number of antenna shapes; inverted L, inverted V, horizontal, loop, vertical. For the higher bands or groundwave in 3-30 Mhz I have had good luck with a 20' vertical and eight or ten 20' radials. The length was chosen for it's 5/8 wavelength on 28 Mhz, 1/2 wavelength on 21 Mhz and low-angle work in the three or four highest HF bands.

I've used my tuner with several lengths of "NVIS" (Near Vertical Incidence Skywave) wire antennas, stretched out from the antenna mount on the van with good high-angle results on 1.8-10 MHz

I've used my autotuner from some high-rise hotel balconies with great results (yes, longwires will work dangling straight down). I used a telescoping

aluminum mast to get the antenna wire out from the building (or fools on lower balconies) and weighted 50 to 150 feet of thin gray antenna wire.

Autotuners are great for tactical, disaster and field-expedient HF comm from any number of unknown sites. They are excellent for low-profile and concealed antennas.

73, Jay

W6CJ